



ANLY ELECTRONICS CO., LTD.
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Contact Info



PRODUCT SELECTION GUIDE

PRODUCT SELECTION GUIDE



TIMER
COUNTER
PROTECTIVE RELAY
CONTROL RELAY
RELAY / SOLID STATE RELAY

LEVEL SWITCH
TEMPERATURE CONTROLLER
SENSOR
ACCESSORIES





INNOVATION QUALITY SERVICE

The products listed on this selection guide do not represent ALL products manufactured by ANLY. If you cannot find the models/products you need on this selection guide, please contact your local ANLY authorized distributor or our sales office near you for more information.



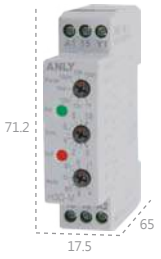
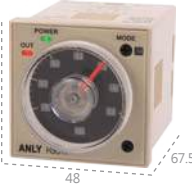
*Fundamental of
automation*

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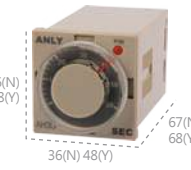
TIMER

CategoryANALOGUE TIMER				
Model	H3D-M	H3D-S	ET2-31	H3C-R□
Dimensions (mm)				
Specifications				
Operating voltage	DC(V) : 12 ~240 AC(V) : 24	DC(V) : 12, 24 AC(V) : 12, 24, 100~120, 200~240	AC/DC(V) : 24~240	AC/DC(V) : 24~240
Operating voltage range	90~110% of rated operating voltage	90~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)	1s~100h	1s, 3s, 6s, 10s, 30s, 60s 3m, 6m, 10m, 30m, 60m 3h, 6h, 10h, 24h	1s~300h	1.2s~300h
Output contact				
Contact arrangement	1 x SPDT	1 x SPDT	2 x SPDT	2 x SPDT
Contact rating (Resistive load)	8A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	A : ON delay B : Flicker starting with OFF B2 : Flicker starting with ON D : Control contact OFF delay D1 : Trailing edge interval E : Interval J1 : Single shot All above-mentioned ouput mode are 1C	ON delay (1C)	A : ON delay B : Repeat cycle OFF start B3 : Repeat cycle ON start C : Signal ON/OFF delay D : Signal OFF delay (Signal ON Output) D1 : Signal OFF delay (Signal OFF Output) E : Interval (Signal ON delay) E1 : Interval (Signal OFF delay) M : ON/OFF Function S : Start-delta change-over	A : ON delay (2C) A4 : ON delay (1A1C) B : Repeat cycle OFF start (2C) B3 : Repeat cycle ON start (1A1C) B4 : Repeat one shot output (1A1C) C : Signal ON/OFF delay (2C) E : Interval (1A1C) J : One shot output (1A1C)
Mounting options				
Surface mounting	●	●	●	● (w/ socket)
Flush mounting	—	—	—	● (w/ frame, w/ socket)
DIN Track mounting	●	●	●	● (w/ socket)
Terminal type	Terminal block	Terminal block	Terminal block	-R (8-pin socket) -R11 (11-pin socket)
Terminal arrangement	P.80	P.80	P.80	P.80
Timing chart	P.108	P.108	P.141	P.109, 110
Certification(s)				

CategoryANALOGUE TIMER				
Model	AH5N	H3B-R□	H3B-□	AH5C
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 24~240	AC/DC(V) : 24~240	DC(V) : 12, 24 AC(V) : 100~120, 200~240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)	1s~600h	A : 1s/ 10s/ 1m/ 10m B : 3s/ 30s/ 3m/ 30m C : 6s/ 60s/ 6m/ 60m D : 1m/ 10m/ 1h/ 10h E : 3m/ 30m/ 3h/ 30h	A : 1s/ 10s/ 1m/ 10m B : 3s/ 30s/ 3m/ 30m C : 6s/ 60s/ 6m/ 60m D : 1m/ 10m/ 1h/ 10h E : 3m/ 30m/ 3h/ 30h	99.9s/ 999s, 99.9m/ 999m
Output contact				
Contact arrangement	2 x SPDT	2 x SPDT	2 x SPDT	1 x DPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	A : ON delay (2C) B : ON delay (1A1C)	A : ON delay (2C) B : ON delay (1A1C)	A : ON delay (2C) B : ON delay (1A1C)	ON delay (1C)
Mounting options				
Surface mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)	● (w/ socket)
Flush mounting	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)	● (w/ frame)
DIN Track mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)	● (w/ socket)
Terminal type	8-pin socket	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement	P.80	P.81	P.81	P.81
Timing chart	P.111	P.111	P.111	P.111
Certification(s)				—

CategoryANALOGUE TIMER				
Model	AMY-N□	AMY-□	AH3-R□	AH3-N□
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 12~24 AC/DC(V) : 100~240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	AC/DC(V) : 24~240	DC(V) : 12, 24 AC(V) : 12, 24, 100~120, 200~240
Operating voltage range	85~110% of rated operating voltage	90~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)	1s~600h	1s, 3s, 6s, 10s, 30s, 60s 3m, 6m, 10m, 30m, 60m 3h	A : 1s/ 10s/ 1m/ 10m B : 3s/ 30s/ 3m/ 30m C : 6s/ 60s/ 6m/ 60m D : 1m/ 10m/ 1h/ 10h E : 3m/ 30m/ 3h/ 30h	A : 1s/ 10s/ 1m/ 10m B : 3s/ 30s/ 3m/ 30m C : 6s/ 60s/ 6m/ 60m D : 1m/ 10m/ 1h/ 10h E : 3m/ 30m/ 3h/ 30h
Output contact				
Contact arrangement	1 x DPDT (-N2) 1 x 4PDT (-N4)	1 x DPDT (-2) 1 x 4PDT (-4)	2 x SPDT	2 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	· ON delay · Flicker (-N2 : 2C) (-N4 : 4C)	ON delay (-2 : 2C) (-4 : 4C)	A : ON delay (2C) B : ON delay (1A1C)	A : ON delay (2C) B : ON delay (1A1C)
Mounting options				
Surface mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)	● (w/ socket)
Flush mounting	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)
DIN Track mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)	● (w/ socket)
Terminal type	-N2 (8-pin socket) -N4 (14-pin socket)	-2 (8-pin socket) -4 (14-pin socket)	8-pin socket	8-pin socket
Terminal arrangement	P.81	P.81	P.81	P.82
Timing chart	P.111	P.111	P.112	P.112
Certification(s)	CE	CE	UL CE	CE

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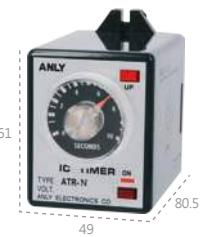
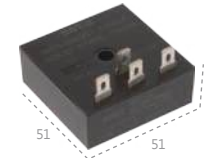
CategoryANALOGUE TIMER				
Model	AH3-□	AH2-□□	ASTP-□□	AH3G-□
Dimensions (mm)				
Specifications				
Operating voltage	DC(V) : 12, 24 AC(V) : 12, 24, 100~120, 200~240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)	1s, 3s, 6s, 10s, 30s, 60s 3m, 6m, 10m, 30m, 60m 3h, 6h, 10h, 24h	A : 1s/ 10s/ 1m/ 10m B : 3s/ 30s/ 3m/ 30m C : 6s/ 60s/ 6m/ 60m D : 1m/ 10m/ 1h/ 10h E : 3m/ 30m/ 3h/ 30h	1s, 2s, 6s, 12s, 30s, 60s, 180s 6m, 12m, 30m, 60m 3h, 6h, 12h, 24h	1s, 3s, 6s, 10s, 30s, 60s 3m, 6m, 10m, 30m, 60m 3h
Output contact				
Contact arrangement	1 x SPDT (-1) 2 x SPDT (-2, -3)	2 x SPDT	1 x SPDT (-□1) 1 x DPDT (-□2) 2 x SPDT (-□3)	1 x DPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	ON delay (-1 : 1C) (-2 : 2C) (-3 : 1A1C)	A : ON delay (2C) B : ON delay (1A1C)	ON delay (-□1 : 1C) (-□2 : 2C) (-□3 : 1A1C)	ON delay (2C)
Mounting options				
Surface mounting	● (w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)
Flush mounting	● (w/ frame, w/ socket)	● (Y type, w/ socket)	● (Y type, w/ socket)	● (Y type, w/ frame, w/ socket)
DIN Track mounting	● (w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)
Terminal type	8-pin socket	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement	P.82	P.82	P.82	P.83
Timing chart	P.112	P.112	P.112	P.113
Certification(s)	CE	—	—	—

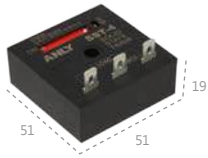
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Category	TWIN TIMER	TWIN ANALOGUE TIMER	OFF DELAY TIMER	
Model	ET2-41	ATDV-□□	AH5F-□	ATS
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 24~240	DC(V) : 12, 24 AC(V) : 12, 24, 110/ 220, 110/ 240	DC(V) : 24 AC(V) : 24, 110 220, 240	DC(V) : 24 AC(V) : 24, 110 220, 240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)	1s~300h	A : 1s/ 10s/ 1m/ 10m B : 3s/ 30s/ 3m/ 30m C : 6s/ 60s/ 6m/ 60m D : 1m/ 10m/ 1h/ 10h E : 3m/ 30m/ 3h/ 30h	3s, 6s, 10s, 30s, 60s 3m, 6m, 10m, 30m, 60m	3s, 6s, 10s, 30s, 60s 3m, 6m
Output contact				
Contact arrangement	2 x SPDT	1 x SPDT	1 x SPDT (AH5F) 1 x DPDT (AH5F-2)	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	2A 250VAC
Output mode	· Flasher · Interval Independent settings for ON/OFF time (2C or 1A1C)	Flasher Independent settings for ON/OFF time (1C)	OFF delay (AH5F : 1C+External reset contact) (AH5F-2 : 2C)	OFF delay (1C)
Mounting options				
Surface mounting	●	● (N type, w/ socket)	● (w/ socket)	● (w/ socket)
Flush mounting	—	● (Y type, w/ socket)	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)
DIN Track mounting	●	● (N type, w/ socket)	● (w/ socket)	● (w/ socket)
Terminal type	Terminal block	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement	P.83	P.83	P.83	P.84
Timing chart	P.113	P.113	P.113	P.114
Certification(s)	—	—	—	—

Category	OFF DELAY TIMER	STAR- DELTA TIMER		
Model	ATF-□F	TRD-N□	TRD-ND□	ARD
Dimensions (mm)				
Specifications				
Operating voltage	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	AC(V) : 110, 220, 240	AC(V) : 110, 220, 240	AC(V) : 110, 220, 240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)	3s, 6s, 10s, 30s, 60s 3m, 10m, 30m, 60m	30s, 60s/ change time 0.1s	1~63s/ change time 0.1s	30s, 60s/ change time 0.1s
Output contact				
Contact arrangement	1 x SPDT	3 x SPST	3 x SPST	2 x SPST 1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	OFF delay (1C+External reset contact)	time-limit : 人 (SPST-NC) △ (SPST-NO) instantaneous : SPST-NO	time-limit : 人 (SPST-NC) △ (SPST-NO) instantaneous : SPST-NO	time-limit : 人 (SPST-NC) △ (SPST-NO) instantaneous : SPDT-NO
Mounting options				
Surface mounting	● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	● (w/ socket)
Flush mounting	● (Y type, w/ socket)	—	—	● (w/ frame, w/ socket)
DIN Track mounting	● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	● (w/ socket)
Terminal type	8-pin socket	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement	P.84	P.84	P.84	P.84
Timing chart	P.114	P.114	P.114	P.114
Certification(s)	—	—	—	—

Category		FLICKER TIMER		REV RELAY	
Model		AFK	TFK	TWB-N	TWB-ND
Dimensions (mm)					
Specifications					
Operating voltage		DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range		85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency		50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)		3s	2s	FOR./ REV. : 30s fixed or upon client's request STOP : 3s fixed or upon client's request	FOR./ REV. : 30s or 60s Variable STOP : 6s Variable
Output contact					
Contact arrangement		1 x SPDT	1 x SPDT	2 x SPDT	2 x SPDT
Contact rating (Resistive load)		5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Output mode		Flicker (1C)	Flicker (1C)	FOR. (1C) REV. (1C)	FOR. (1C) REV. (1C)
Mounting options					
Surface mounting		● (w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)
Flush mounting		● (w/ frame)	—	—	—
DIN Track mounting		● (w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)
Terminal type		8-pin socket	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement		P.85	P.85	P.85	P.85
Timing chart		P.115	P.115	P.115	P.115
Certification(s)		CE	—	—	—

Category		DEFROST TIMER		TOUCH RELAY	SOLID STATE TIMER
Model		TDF	ATDE	ATR	SST-3
Dimensions (mm)					
Specifications					
Operating voltage		AC(V) : 110, 220, 240	AC(V) : 110, 220, 240	AC(V) : 110, 220, 240	AC(V) : 24, 120, 230
Operating voltage range		85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency		50/60Hz	50/60Hz	50/60Hz	50/60Hz
Time range(s)		12h/ 30m, 12h/ 60m	12h/ 30m, 12h/ 60m Fan delay : 0~10m Variable	10s	2m, 3m, 5m
Output contact					
Contact arrangement		1 x SPDT	2 x SPDT	1 x SPDT	1 x SPST
Contact rating (Resistive load)		5A 250VAC	5A 250VAC	5A 250VAC	1A 250VAC
Output mode		Cooling & Defrost (1C)	Defrost (1C) Fan delay (1C)	Trigger (1C+External trigger contact)	ON delay (1C)
Mounting options					
Surface mounting		● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	●
Flush mounting		—	—	—	—
DIN Track mounting		● (N type, w/ socket)	● (N type, w/ socket)	● (N type, w/ socket)	—
Terminal type		8-pin socket	8-pin socket	8-pin socket	Male terminal lug (3pin)
Terminal arrangement		P.85	P.85	P.86	P.86
Timing chart		P.115	P.115	P.116	P.142
Certification(s)		—	—	—	—

Category	SOLID STATE TIMER	TWIN ANALOGUE TIMER FOR MISTING PUMP
Model	SST-4	ATDH-□□
Dimensions (mm)		
Specifications		
Operating voltage	AC(V) : 80 – 240	AC(V) : 110/ 220
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz
Time range(s)	1023s~1023m	A : 1s/ 10s/ 1m/ 10m B : 3s/ 30s/ 3m/ 30m C : 6s/ 60s/ 6m/ 60m Pressure release : 2 ~ 15s Variable
Output contact		
Contact arrangement	1 x SPST	1 x SPST 1 x SPDT
Contact rating (Resistive load)	3A 250VAC	8A 250VAC
Output mode	ON delay (1C)	Misting pump (1C) Pressure release (1C)
Mounting options		
Surface mounting	●	● (N type, w/ socket)
Flush mounting	—	● (Y type, w/ socket)
DIN Track mounting	—	● (N type, w/ socket)
Terminal type	Male terminal lug (3pin)	8-pin socket
Terminal arrangement	P.86	P.86
Timing chart	P.142	P.116
Certification(s)	—	—

Category	MULTI-FUNCTION DIGITAL TIMER		
Model	H8DA	H5DA-□□	H5CLR-□□
Dimensions (mm)			
Specification			
Operating voltage	AC/DC(V) : 12~48, 100~240	AC/DC(V) : 12~48, 100~240	AC/DC(V) : 12~48, 100~240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Time range(s)	999.999s~999999h	999.999s~999999h	9.999s~9999h
Display digits	6/6 digits	6/6 digits	4/4 digits
Switches	Tact switch	Tact switch	Tact switch
Output contact			
Contact arrangement	2 x SPDT	1 x SPST, 1 x SPDT (-11D) 1 x SPST (-8B, -8M) 1 x SPDT (-8, -11M) 2 x SPDT (-11)	1 x SPDT (-8G, -11M) 2 x SPDT (-8, -11)
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	A, A1, A2, A3, B, B1, B2, C, D, E, F 11 modes, details refer to the Timing chart External start, gate, reset & key lock function contacts available Counter or timer function selectable, please refer to the P.19 for counter function	A, A1, A2, A3, B, B1, B2, C, D, E, F 11 modes, details refer to the Timing chart -8, -8M, -11 : External start, reset contacts available -8B, -11D : External start, gate, reset contacts available -11M : External start, gate, reset & key lock function contacts available Counter or timer function selectable, please refer to the P.19 for counter function	A, A1, A2, A3, A5, B, B1, B2, C, D, E, F 12 modes, details refer to the Timing chart -8 : only Mode A, B, E, are available -8G, -11 : External start, reset contacts available -11M : External start, gate, reset contacts available
Mounting options			
Surface mounting	—	● (w/ socket)	● (w/ socket)
Flush mounting	●	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)
DIN Track mounting	—	● (w/ socket)	● (w/ socket)
Terminal type	Terminal block -8□ (8-pin socket) -11□ (11-pin socket)	-8□ (8-pin socket) -11□ (11-pin socket)	-8□ (8-pin socket) -11□ (11-pin socket)
Terminal arrangement	P.87	P.87	P.88
Timing chart	P.116, 117	P.117, 118	P.119, 120, 121
Certification(s)	CE	CE	UL CE

DIGITAL TIMER

DIGITAL TIMER

MEMO

Category	MULTI-FUNCTION DIGITAL TIMER		DIGITAL TWIN TIMER
Model	ASY-4DR□□	ACT-□□	AH5CN-T□
Dimensions (mm)			
Specification			
Operating voltage	AC/DC(V) : 100 – 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	AC/DC(V) : 12~48, 100~240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Time range(s)	9.999s ~ 9999h	99s/ 99s, 99s/ 99m, 99m/ 99s, 99m/ 99m, 99m/ 99h, 99h/ 99m, 99h/ 99h, 99h/ 99d	99s/ 99s, 99s/ 99m, 99s/ 99h 99m/ 99S, 99m/ 99m, 99m/ 99h 99h/ 99s, 99h/ 99m, 99h/ 99h
Display digits	4/ 4 digits	—	4 digits
Switches	Tact switch	Pushwheel switch	Pushwheel switch
Output contact			
Contact arrangement	1 x SPDT (-4DRG□) 2 x SPDT (-4DR)	1 x SPDT (-□, -□S, -□T) 2 x SPDT (-□2, -□3, -□D)	1 x SPDT (-TG) 2 x SPDT (-T, -T11)
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	A, A1, A2, A3, B, B1, B2, C, D, E, F, 11 modes, details refer to the Timing chart -4DRG : External start, reset contacts available -4DR : A, B, E (2C or 1A1C)	Flicker (-□ : 1C) (-□2 : 2C) (-□3 : 1A1C) Single flash only (-□S) Two independent timings (-□D) T1 included within T2 (-□T)	ON delay (-TG : 1C) (-T, T11 : 2C or 1A1C) -TG, -T11 : External gate, reset contacts available
Mounting options			
Surface mounting	● (N type, w/ socket)	● (N type, w/ socket)	● (w/ socket)
Flush mounting	● (Y type, w/ socket)	● (Y type, w/ socket)	● (w/ frame, w/ socket)
DIN Track mounting	● (N type, w/ socket)	● (N type, w/ socket)	● (w/ socket)
Terminal type	8-pin socket	8-pin socket	-T (8-pin socket) -T11 (11-pin socket)
Terminal arrangement	P.89	P.90	P.96
Timing chart	P.122, 123, 124	P.125	P.116
Certification(s)	—	—	—

Category	WEEKLY PROGRAMMABLE TIMER			
Model	APT-6S□	APT-6S□+	APT-8S	APT-9S
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 12~48, 100~240	AC/DC(V) : 12~48, 100~240	AC/DC(V) : 12~48, 100~240	AC/DC(V) : 12~48, 100~240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Display	LCD	LCD	LCD	LCD
Output mode				
Timer	●	●	●	●
Pulse-output	—	—	●	●
Weekly program	8 (timer)	48 (timer)	8 (timer) or 16 (Pulse-output)	80 (timer) or 160 (Pulse-output)
Back-up	● (CR-2032 battery)	● (CR-2032 battery)	● (CR-2032 battery)	● (CR-2032 battery & EEPROM)
24hr timer	●	●	●	●
Week / day combinations	15	15	15	Any
Min. setting unit				
Timer	1m	1m	1m	1m
Pulse-output	—	—	1s	1s
Output contact				
Circuits	1	1	1	1
Relay	7A 240VAC (ON)	7A 240VAC (ON)	7A 240VAC (ON)	7A 240VAC (ON)
Communication	—	—	—	—
Time accuracy	±15s/Month	±15s/Month	±15s/Month	±15s/Month
Mounting options				
Surface mounting	●	●	●	●
Flush mounting	● (w/ frame)	● (w/ frame)	● (w/ frame)	● (w/ frame)
DIN Track mounting	●	●	●	●
Terminal type	Terminal block	Terminal block	Terminal block	Terminal block
Terminal arrangement	P.90	P.90	P.90	P.90
Timing chart	—	—	—	—
Certification(s)				

Category	TWIN OUTPUT WEEKLY PROGRAMMABLE TIMER	
Model	ET7-1	
Dimensions (mm)		
Specifications		
Operating voltage	AC/DC(V) : 100~240	
Operating voltage range	85~110% of rated operating voltage	
Rated frequency	50/60Hz	
Display	LCD	
Output mode		
Timer	●	
Pulse-output	●	
Weekly program	160	
Back-up	● (CR-2032 battery & EEPROM)	
24hr timer	●	
Week / day combinations	Any	
Min. setting unit		
Timer	1m	
Pulse-output	1s	
Output contact		
Circuits	2	
Relay	7A 240VAC (ON)	
Communication	RS-485	
Time accuracy	±15s/Month	
Mounting options		
Surface mounting	●	
Flush mounting	—	
DIN Track mounting	●	
Terminal type	Terminal block	
Terminal arrangement	P.90	
Timing chart	—	
Certification(s)	—	



COUNTER



Category	MULTI-FUNCTION DIGITAL COUNTER		
Model	H8DA	H5DA-□□	H5KLR-□□
Dimensions (mm)			
Specifications			
Operating voltage	AC/DC(V) : 12~48, 100~240	AC/DC(V) : 12~48, 100~240	AC/DC(V) : 12~48, 100~240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Count speed (cps ; Hz)	30, 1K, 5K, 10K	30, 1K, 5K, 10K	30, 1K, 5K
Display digits	6/6 digits	6/6 digits	4/4 digits
Switches	Tact switch	Tact switch	Tact switch
Output contact			
Contact arrangement	2 x SPDT	1 x SPST + 1 x SPDT (-11D) 1 x SPST (-8, -8M) 1 x SPDT (-8, -11M) 2 x SPDT (-11)	1 x SPST (-8B, -8M) 1 x SPDT (-8, -11M) 2 x SPDT (-11)
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	N, F, C, R, K, P, Q, A, L, H 10 modes, details refer to the Timing chart (Can count up, count down and count up/down) Counter or timer function selectable, please refer to the P.11 for timer function	N, F, C, R, K, P, Q, A 8 modes, details refer to the Timing chart (-8B, -8M, -11D, -11M Can count up, count down and count up/down) Counter or timer function selectable, please refer to the P.11 for timer function	N, F, C, R, K, P, Q, A 8 modes, details refer to the Timing chart (-8B, -8M, -11M Can count up, and count down)
Mounting options			
Surface mounting	—	● (w/ socket)	● (w/ socket)
Flush mounting	●	● (w/ frame)	● (w/ frame)
DIN Track mounting	—	● (w/ socket)	● (w/ socket)
Terminal type	Terminal block	-8□ (8-pin socket) -11□ (11-pin socket)	-8□ (8-pin socket) -11□ (11-pin socket)
Terminal arrangement	P.87	P.87	P.91
Timing chart	P.125, 126, 127	P.128, 129, 130	P.131, 132, 133
Certification(s)	CE	CE	UL CE

PRESET COUNTER				
Category				
Model	AH5CK-□□	AH5K-4D□	ASK-3D□	ACK
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 12~48, 100~240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Count speed (cps ; Hz)	60 200 (-H, -11H)	60 200 (-4DH)	60 200 (-3DH)	30, 1K, 5K, 10K
Display digits	4 digits	4 digits	3 digits	—
Switches	Pushwheel switch	Pushwheel switch	Pushwheel switch	Pushwheel switch
Output contact				
Contact arrangement	1 x SPDT (-□) 2 x SPDT (-11□)	1 x SPDT	1 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Output mode	N 1 mode, details refer to the Timing chart (Memory function available) -D, -11D : Count down -R, -11R : Auto reset	N 1 mode, details refer to the Timing chart -4DD : Count down -4DR : Auto reset	N 1 mode, details refer to the Timing chart -3DD : Count down -3DR : Auto reset	Flicker counter
Mounting options				
Surface mounting	● (w/ socket)	● (w/ socket)	● (N Type, w/ socket)	● (N Type, w/ socket)
Flush mounting	● (w/ frame, w/ socket)	● (w/ frame, w/ socket)	● (Y Type, w/ socket)	● (Y Type, w/ socket)
DIN Track mounting	● (w/ socket)	● (w/ socket)	● (N Type, w/ socket)	● (N Type, w/ socket)
Terminal type	-□ (8-pin socket) -11□ (8-pin socket)	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement	P.91	P.91	P.92	P.92
Timing chart	P.127	P.127	P.134	P.134
Certification(s)		—	—	—

TOTAL COUNTER		
Category		
Model	H7E-C-□-□	AH5K-C□
Dimensions (mm)		
Specifications		
Operating voltage	Built-in battery DC(V) : 3 (CR123A)	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range	—	85~110% of rated operating voltage
Rated frequency	—	50/60Hz
Count speed (cps ; Hz)	-C-□ : 30, 1K -CM-□ : 20	-C : 60 -CH : 200
Display digits	8 digits	4 digits
Switches	—	—
Output contact		
Contact arrangement	—	—
Contact rating (Resistive load)	—	—
Output mode	TOTAL COUNTER -CM-□ for voltage input (AC/DC(V) : 24 ~ 240) -C-B AC/DC(V) -CM-B AC/DC(V) : · Backlight option · require AC/DC 24V power supply)	TOTAL COUNTER -CD : count down
Mounting options		
Surface mounting	—	● (w/ socket)
Flush mounting	● (w/ frame)	● (w/ frame, w/ socket)
DIN Track mounting	—	● (w/ socket)
Terminal type	Terminal block	8-pin socket
Terminal arrangement	P.92	P.91
Timing chart	P.134	P.127
Certification(s)	—	—

Category	TACHOMETER
Model	H7E-R□-□
Dimensions (mm)	
Specifications	
Operating voltage	Built-in battery DC(V) : 3 (CR123A)
Operating voltage range	—
Rated frequency	—
Max. Revolution Display (Encoder resolution used)	-RA-□ 1000 rps (1 pulse/rev.) , 1000 rpm (60 pulse/rev.) -RB-□ 1000.0 rps (10 pulse/rev.) , 1000.0 rpm (600 pulse/rev.) / 10000 rpm (60 pulse/rev.)
Display digits	-RA-□ : 4 digit -RB-□ : 5 digit
Switches	—
Output contact	
Contact arrangement	—
Contact rating (Resistive load)	—
Output mode	Backlight option (requires AC/DC 24V power supply)
Mounting options	
Surface mounting	—
Flush mounting	● (w/ frame)
DIN Track mounting	—
Terminal type	Terminal block
Terminal arrangement	P.92
Timing chart	P.134
Certification(s)	—

Category	TIME COUNTER		
Model	H7E-T□-□	AH5E-C	ASY-C
Dimensions (mm)			
Specifications			
Operating voltage	Built-in battery DC(V) : 3 (CR123A) -T□-B AC/DC(V) : Backlight option (require AC/DC 24V power supply)	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range	—	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	—	50/60Hz	50/60Hz
Time range(s)	-TA-□, -TMA-□ 999999.9h/ 3999d23.9h -TB-□, -TMB-□ 999h59m59s/ 9999h59.9m	999.9s 9999s 999.9m 9999m	99.9s 999s 99.9m 999m
Display digits	7 digits	4 digits	3 digits
Switches	—	—	—
Output contact			
Contact arrangement	—	—	—
Contact rating (Resistive load)	—	—	—
Output mode	TIME COUNTER -TMA-□, -TMB-□ for voltage input (AC/DC(V): 24 ~ 240) -T□-B AC/DC(V) -TM□-B AC/DC(V) : · Backlight option · require AC/DC 24V power supply)	TIME COUNTER	TIME COUNTER
Mounting options			
Surface mounting	—	● (w/ socket)	—
Flush mounting	● (w/ frame)	● (w/ frame, w/ socket)	● (w/ frame)
DIN Track mounting	—	● (w/ socket)	—
Terminal type	Terminal block	8-pin socket	8-pin socket
Terminal arrangement	P.92	P.92	P.92
Timing chart	P.134	—	—
Certification(s)	—	—	—



PROTECTIVE RELAY



Category	DC TYPE			
Model	EP4-11□□□-□	AEVR-□□D	EP4-11060-□	AEVR-□□D
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 100~240	AC/DC(V) : 100~240	DC(V) : 8 ~ 60	DC(V) : 8 ~ 60
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	—	—
Voltage detect range				
70~150V (EP4) 77~143V (AEVR)	-11150-□* (refer to P.26)	-NPD, -YPD	—	—
160~300V	-11300-□* (refer to P.26)	-NLD, -YLD	—	—
DC(V) : 8~60	—	—	-11060-□* (refer to P.26)	-ND, -YD * (refer to P.26)
Characteristics				
Phase sequence detection	—	—	—	—
Phase-loss detection	—	—	—	—
Three-phase unbalanced detection	—	—	—	—
Overvoltage detection	●	●	●	●
Undervoltage detection	●	●	●	●
Overvoltage setting	●	●	●	●
Undervoltage setting	●	●	●	●
Tripping delay	0.5s~120s	0.1s~10s	0.5s~120s	0.1s~10s
Reset delay	1s, 5s	1s, 5s	1s, 5s	1s, 5s
Reset method	Manual or Auto	Manual or Auto	Manual or Auto	Manual or Auto
Abnormal indication	LED Display	LED Display	LED Display	LED Display
Output contact				
Contact arrangement	-11□□□-1/2 : 1 x SPDT -11□□□-3/4/5 : 2 x SPDT	1 x SPDT	-110601/2 : 1 x SPDT -110603/4/5 : 2 x SPDT	2 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options				
Surface mounting	●	● (N type, w/ socket)	●	● (N type, w/ socket)
Flush mounting	—	● (Y type, w/ socket)	—	● (Y type, w/ socket)
DIN Track mounting	●	● (N type, w/ socket)	●	● (N type, w/ socket)
Terminal type	Terminal block	8-pin socket	Terminal block	8-pin socket
Terminal arrangement	P.93	P.94	P.93	P.94
Timing chart	P.135	P.135	P.135	P.135
Certification(s)	CE	—	CE	—

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Category	SINGLE PHASE	L-L (3 PHASE 3 WIRE)		
Model	EP4-12□□□-□	AEVR-□□S	EP4-13□□□-□	AEVR-□□
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 100~240	AC/DC(V) : 100~240	AC/DC(V) : 100~240	AC/DC(V) : 100~240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Voltage detect range				
70~150V (EP4) 77~143V (AEVR)	-12150-□* (refer to P.26)	-NPS, -YPS	-13150-□* (refer to P.26)	-NP, -YP
160~300V	-12300-□* (refer to P.26)	-NLS, -YLS	-13300-□* (refer to P.26)	-NL, -YL
270~550V (EP4) 277~519V (AEVR)	-12550-□* (refer to P.26)	-NHS, -YHS	-13550-□* (refer to P.26)	-NH, -YH
Characteristics				
Phase sequence detection	●	●	●	●
Phase-loss detection	●	●	●	●
Three-phase unbalanced detection	●	●	●	●
Overvoltage detection	●	●	●	●
Undervoltage detection	●	●	●	●
Overvoltage setting	●	●	●	●
Undervoltage setting	●	●	●	●
Tripping delay	0.5s~120s	0.1s~10s	0.5s~120s	0.1s~10s
Reset delay	1s, 5s	1s, 5s	1s, 5s	1s, 5s
Reset method	Manual or Auto	Manual or Auto	Manual or Auto	Manual or Auto
Abnormal indication	LED Display	LED Display	LED Display	LED Display
Output contact				
Contact arrangement	-12□□□-1/2 : 1 x SPDT -12□□□-3/4/5 : 2 x SPDT	1 x SPDT	-13□□□-1/2 : 1 x SPDT -13□□□-3/4/5 : 2 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options				
Surface mounting	●	● (N type, w/ socket)	●	● (N type, w/ socket)
Flush mounting	—	● (Y type, w/ socket)	—	● (Y type, w/ socket)
DIN Track mounting	●	● (N type, w/ socket)	●	● (N type, w/ socket)
Terminal type	Terminal block	8-pin socket	Terminal block	8-pin socket
Terminal arrangement	P.93	P.94	P.93	P.94
Timing chart	P.135	P.136	P.135	P.136
Certification(s)	CE	—	CE	—

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PROTECTIVE RELAY

CategoryL-N (3 PHASE 4 WIRE)		
Model	EP4-14□□□-□	AEVR-□4
Dimensions (mm)		
Dimensions		
Operating voltage	AC/DC(V) : 100~240	AC/DC(V) : 100~240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz
Voltage detect range		
70~150V (EP4) 77~143V (AEVR)	—	—
160~300V	-14300-□* (refer to P.26)	—
270~550V (EP4) 277~519V (AEVR)	-14550-□* (refer to P.26)	-N4, -Y4
Characteristics		
Phase sequence detection	●	●
Phase-loss detection	●	●
Three-phase unbalanced detection	●	●
Overvoltage detection	●	●
Undervoltage detection	●	●
Overvoltage setting	●	●
Undervoltage setting	●	●
Tripping delay	0.5s~120s	0.1s~10s
Reset delay	1s, 5s	1s, 5s
Reset method	Manual or Auto	Manual or Auto
Abnormal indication	LED Display	LED Display
Output contact		
Contact arrangement	-14□□□-1/2 : 1 x SPDT -14□□□-3/4/5 : 2 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC
Mounting options		
Surface mounting	●	● (N type, w/ socket)
Flush mounting	—	● (Y type, w/ socket)
DIN Track mounting	●	● (N type, w/ socket)
Terminal type	Terminal block	8-pin socket
Terminal arrangement	P.93	P.94
Timing chart	P.135	P.136
Certification(s)	CE	—

Note :

For EP4-1 series output contact selections, see below.

When □ =

- 1 : 1C No-Fault
- 2 : 1C Fault
- 3 : 2C Over & Under Fault
- 4 : 2C Inst. & No Fault
- 5 : 2C No-Fault
- 6 : Over & Under No Fault

Operating principle

1 : 1C No-Fault

When operating power (A1-A2) is applied without detecting power, the contact stays at NC (15-16).
When detecting power is applied, if no fault is detected, the contact trips to NO (15-18).
When detecting power is applied, if fault is detected, the contact remains at NC (15-16).

2 : 1C Fault

When operating power (A1-A2) is applied without detecting power, the contact stays at NC (15-16).
When detecting power is applied, if no fault is detected, the contact remains at NC (15-16).
When detecting power is applied, if fault is detected, the contact trips to NO (15-18).

3 : 2C Over & Under Fault

When operating power (A1-A2) is applied without detecting power, the contact stays at NC (15-16) & (25-26).
When detecting power is applied, if no fault is detected, the contact remains at NC (15-16) & (25-26).
When detecting power is applied and following fault is detected:
Over voltage: Contact at NC (15-16); NO (25-28)
Under voltage: Contact at NO (15-18); NC (25-26)
Phase loss: Contact at NO (15-18); NC (25-26)
Reverse phase: Contact at NO (15-18) / (25-28)
3 phase unbalance: Contact at NO (15-18) / (25-28)

4 : 2C Inst. & No-Fault

When operating power (A1-A2) is applied without detecting power, the contact stays at NC (15-16), but Inst. contact trips and stays at NO (25-28) without being affected by the status of detecting power.
When detecting power is applied, if no fault is detected, the contact trips to NO (15-18).
When detecting power is applied, if fault is detected, the contact remains at NC (15-16).

5 : 2C No-Fault

When operating power (A1-A2) is applied without detecting power, the contact stays at NC (15-16) & (25-26).
When detecting power is applied, if no fault is detected, the contact trips to NO (15-18) & (25-28).
When detecting power is applied, if fault is detected, the contact remains at NC (15-16) & (25-26).

6 : 2C Over & Under No-Fault

When operating power (A1-A2) is applied without detecting power, the contact stays at NC (15-16) & (25-26).
When detecting power is applied, if no fault is detected, the contact trips to NO (15-18) & (25-28).
When detecting power is applied and following fault is detected:
Over voltage: Contact at NO (15-18); NC (25-26)
Under voltage: Contact at NC (15-16); NO (25-28)
Phase loss: Contact at NC (15-16); NO (25-28)
Reverse phase: Contact at NC (15-16) / (25-26)
3 phase unbalance: Contact at NC (15-16) / (25-26)

In general, "No-Fault" function is used for protection purpose; whereas "Fault" is used for system alarm when fault (detecting power) is detected.
Please contact ANLY if more information is required.

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PROTECTIVE RELAY



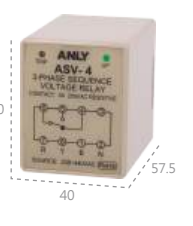
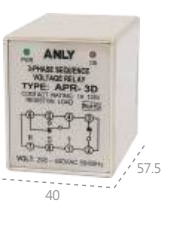
Category3-PHASE SEQUENCE PROTECTION RELAY				
Model	EP2-2□	EP4-2□	AVR-165-□□	AVR-172-□□
Dimensions (mm)				
Dimensions				
Operating voltage	AC(V) : 208~480	L-L AC(V) : 200~480 L-N AC(V) : 115~277 (user selectable)	AC(V) : 220, 240, 380, 415, 440	AC(V) : 220, 240, 380, 415, 440
Operating voltage range	78~122% of rated operating voltage	±5% ~ +20% , -30% (user selectable)	±5% ~ ±20% (user selectable)	±5% ~ ±20% (user selectable)
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Type selection				
Single phase	—	—	—	—
L - L (3 phase 3 wire)	EP2-22/ -23	●	-□T	-□T
L - N (3 phase 4 wire)	EP2-24	●	-□TN	-□TN
Characteristics				
Phase sequence detection	●	●	●	●
Phase-loss detection	●	●	●	●
Three-phase unbalanced detection	●	●	●	●
Overvoltage detection	●	●	●	●
Undervoltage detection	●	●	●	●
Overvoltage setting	●	●	●	●
Undervoltage setting	●	●	●	●
Tripping delay	0.1s~30s	0.1s~30s	3s	0.1s~10s
Reset delay	1s	1s, 5s	3s	0.1s~10s
Reset method	Auto	Auto	Auto	Auto
Abnormal indication	LED Display	LED Display	LED Display	LED Display
Output contact				
Contact arrangement	1 x SPDT	-2-1/2 : 1 x SPDT -2-3/4/5 : 2 x SPDT	-8□ : 1 x SPDT -11□ : 1 x DPDT	-8□ : 1 x SPDT -11□ : 1 x DPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options				
Surface mounting	●	●	● (w/ socket)	● (w/ socket)
Flush mounting	—	—	—	—
DIN Track mounting	●	●	● (w/ socket)	● (w/ socket)
Terminal type	Terminal block	Terminal block	-8□ (8-pin socket) -11□ (11-pin socket)	-8□ (8-pin socket) -11□ (11-pin socket)
Terminal arrangement	P.94	P.94	P.95	P.95
Timing chart	P.136	P.136	P.136	P.136
Certification(s)	CE	CE	CE	CE

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3-PHASE SEQUENCE PROTECTION RELAY				
Category				
Model	AVM-□□	APR-4V- □□□□-□□□□	EP2-1□□□□	APR-4S
Dimensions (mm)				
				
Specifications				
Operating voltage	AC(V) : 220, 240, 380, 415, 440	AC(V) : 220, 230, 240, 380, 400, 415, 440, 460, 480	AC(V) : 220~440	AC(V) : 208~380 380~480
Operating voltage range	±5% ~ ±20% (user selectable)	Determind by model	80~120% of rated operating voltage	80~120%, 85~120% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Type selection				
Single phase	-NS, -YS	—	—	—
L-L (3 phase 3 wire)	-NK, -YK	●	●-13[A][B][C]	●
L-N (3 phase 4 wire)	—	—	●-14[A][B][C]	—
Characteristics	(-□K)	(-□S)		
Phase sequence detection	●	—	●	[A]=1 (Yes) ,0 (No)
Phase-loss detection	●	—	●	[B]=1 (Yes) ,0 (No)
Three-phase unbalanced detection	●	●	●	[C]=1 (Yes) ,0 (No)
Overvoltage detection	●	●	●	—
Undervoltage detection	●	●	●	—
Overvoltage setting	●	●	+10%, +12.5%, +15%	—
Undervoltage setting	●	●	-10%, -12.5%, -15%, -20%	—
Tripping delay	3s	3s	3s	3s
Reset delay	3s	3s	3s	3s
Reset method	Auto	Auto	Auto	Auto
Abnormal indication	LED Display	LED Display	LED Display	LED Display
Output contact				
Contact arrangement	1 x SPDT	1 x SPDT	1 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options				
Surface mounting	● (w/ socket)	●	●	●
Flush mounting	—	—	—	—
DIN Track mounting	● (w/ socket)	●	●	●
Terminal type	8-pin socket	Terminal block	Terminal block	Terminal block
Terminal arrangement	P.95	P.96	P.95	P.96
Timing chart	P.137	P.137	P.137	P.137
Certification(s)	—	CE	CE	CE



3-PHASE SEQUENCE PROTECTION RELAY				
Category				
Model	ASM-170	ASV-4	APR-3D	APR-3
Dimensions (mm)				
				
Specifications				
Operating voltage	AC(V) : 208~440	AC(V) : 208~440	AC(V) : 208~440	AC(V) : 220, 240 380, 415 440
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Type selection				
Single phase	—	—	—	—
L-L (3 phase 3 wire)	●	—	●	●
L-N (3 phase 4 wire)	—	●	—	—
Characteristics				
Phase sequence detection	●	●	●	● (Only at start-up)
Phase-loss detection	●	●	●	● (Only at start-up)
Three-phase unbalanced detection	●	●	●	—
Overvoltage detection	—	—	—	—
Undervoltage detection	—	—	—	—
Overvoltage setting	—	—	—	—
Undervoltage setting	—	—	—	—
Tripping delay	3s	3s	3s	—
Reset delay	3s	3s	3s	—
Reset method	Auto	Auto	Auto	Auto
Abnormal indication	LED Display	LED Display	LED Display	—
Output contact				
Contact arrangement	1 x SPDT	1 x SPDT	1 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC	10A 250VAC
Mounting options				
Surface mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)	● (w/ socket)
Flush mounting	—	—	—	—
DIN Track mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)	● (w/ socket)
Terminal type	11-pin socket	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement	P.96	P.96	P.97	P.96
Timing chart	P.138	P.138	P.138	P.138
Certification(s)	—	—	—	—



Category	DIGITAL FREQUENCY RELAY
Model	AEFR-□
Dimensions (mm)	 61(N) 88(Y) 80.7(N) 79.5(Y) 49(N) 58(Y)
Specifications	
Operating voltage	AC(V) : 100~240
Operating voltage range	85~110% of rated operating voltage
Rated frequency	50/60Hz
Characteristics	
Over frequency detection	●
Under frequency detection	●
Over frequency setting	●
Under frequency setting	●
Tripping delay	1s~10s
Reset delay	1s~10s
Reset method	Manual or Auto
Abnormal indication	LED Display
Output contact	
Contact arrangement	1 x SPDT
Contact rating (Resistive load)	5A 250VAC
Mounting options	
Surface mounting	● (N type, w/ socket)
Flush mounting	● (Y type, w/ socket)
DIN Track mounting	● (N type, w/ socket)
Terminal type	8-pin socket
Terminal arrangement	P.97
Timing chart	P.138
Certification(s)	—

Category	MULTI FUNCTION DIGITAL CURRENT RELAY
Model	EP4-3
Dimensions (mm)	 105 45 67.9
Specifications	
Operating voltage	AC/DC(V) : 100~240
Operating voltage range	85~110% of rated operating voltage
Rated frequency	50/60Hz
Characteristics	· Digital current indicator and fault detector · Can choose Definite or Inverse mode · Can use single phase or 3-phase current · Over current: Setting range from 0.5~60A/ 0.2~30s for Definite mode or 0.5~45A/ 1~30 classes for Inverse mode · Under current: Load current less than setting current/ 0.5~30s · Phase loss: Max unbalance exceeds 85% among 3 phase current/ 0.5~5s · Reverse phase: Reserve phase sequence input/ 0.1s · Stall: Motor starting current exceed 2~8 times of over current setting/ 0.2~10s · Jam: Motor current consumption exceed 1.5~8 times of over current setting/ 0.2~10s · Unbalance: (Max current – Min current)/Max current x 100%, setting range 10~50%/ 1~10s · Can choose external CT · Can choose under-voltage protection · 4 alarm options available · Can display or set running time · Unchangable time counter for current monitoring time · Power, manual , auto reset function selectable · Memory for last 3 error messages · Setting for restart times within 30 mins
Output contact	
Contact arrangement	2 x SPST
Contact rating (Resistive load)	5A 250VAC
Mounting options	
Surface mounting	●
Flush mounting	—
DIN Track mounting	●
Terminal type	Terminal block
Terminal arrangement	P.97
Timing chart	—
Certification(s)	—

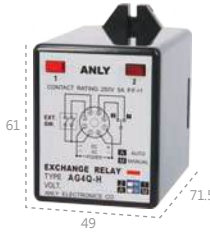


Category	CURRENT RELAY		MOTION DETECTOR	
Model	ACR-N□		EP2-3	AMD-N
Dimensions (mm)				
Specifications				
Operating voltage	AC(V) : 110, 220, 240		AC/DC(V) : 100~240	AC(V) : 110, 220, 240
Operating voltage range	85~110% of rated operating voltage		85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz		50/60Hz	50/60Hz
Characteristics	Wide current range AC 1~3.5A or AC 2~7A Compensating time at starting 1s (ACR-N) or 0~30s (ACR-NT) Reset time 0.05s		Setting range Time range Output contact EP2-3 1 1 1 1=0.5~7A 1=0~30S 1=Over current / No-Fault / Power delay 2=Over current / Fault / Power delay 3=Under current / No-Fault / Power delay 4=Under current / Fault / Power delay 5=Over current / No-Fault / Output delay 6=Over current / Fault / Output delay 7=Under current / No-Fault / Output delay 8=Under current / Fault / Output delay 9=Over current / No-Fault / Inverse A=Over current / Fault / Inverse Please refer to P.142 for Timing chart	Scanning speed ranges from 1~6,000rpm (10m/ 60s/ 10s / 1s/ 0.1s) Switch for detecting excessive (FOR) or insufficient (REV) speeds DC 12V supplied for proximity switch or photoelectric switch
Output contact				
Contact arrangement	2 x SPST (ACR-N) 1 x SPDT (ACR-NT)		1 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC		5A 250VAC	5A 250VAC
Mounting options				
Surface mounting	● (w/ socket)		●	● (w/ socket)
Flush mounting	—		—	—
DIN Track mounting	● (w/ socket)		●	● (w/ socket)
Terminal type	8-pin socket		Terminal block	8-pin socket
Terminal arrangement	P.97		P.97	P.97
Timing chart	P.139		P.142	P.139
Certification(s)	—		—	—



CONTROL RELAY

Category	EXCHANGE RELAY		LATCH RELAY	
Model	EC4-1		AG4Q-K	AG4Q-S
Dimensions (mm)				
Specifications				
Operating voltage	AC/DC(V) : 100~240		DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range	85~110% of rated operating voltage		85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz		50/60Hz	50/60Hz
Characteristics				
Type	EC4-1		AG4Q-K	AG4Q-S
Power trigger	●		●	●
Signal trigger	●		—	—
Latching output	—		●	●
Rising edge trigger	●		●	●
Falling edge trigger	●		●	●
Delay time	●		—	—
Single operation	●		—	—
Alternate operation	●		●	●
Mutiple operation	●		—	—
Memory function	● (Selectable)		—	—
Output contact				
Contact arrangement	2 x SPDT 2 x SPST		1 x DPDT	1 x DPDT
Contact rating (Resistive load)	5A 250VAC		5A 250VAC	2A 250VAC
Mounting options				
Surface mounting	●		● (w/ socket)	● (w/ socket)
Flush mounting	—		—	—
DIN Track mounting	●		● (w/ socket)	● (w/ socket)
Terminal type	Terminal block		8-pin socket	8-pin socket
Terminal arrangement	P.97		P.98	P.98
Timing chart	P.139		P.140	P.140
Certification(s)	—		—	—

Category		LATCH RELAY		EXCHANGE RELAY	
Model		AG4Q-212S	AG4Q-J	AG4Q-H□	
Dimensions (mm)					
	61 49 71.5		61 49 71.5		61 49 71.5
Specifications					
Operating voltage	DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240		DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240		DC(V) : 12, 24 AC(V) : 12, 24, 110, 220, 240
Operating voltage range	85~110% of rated operating voltage		85~110% of rated operating voltage		85~110% of rated operating voltage
Rated frequency	50/60Hz		50/60Hz		50/60Hz
Characteristics					
Type	AG4Q-212S		AG4Q-J		AG4Q-H -H3 -HS
Power trigger	●		●		— — —
Signal trigger	—		—		● ● ●
Latching output	●		—		— — —
Rising edge trigger	●		●		● ● ●
Falling edge trigger	●		●		— — —
Delay time	—		—		● — —
Single operation	—		—		● ● —
Alternate operation	●		●		● ● ●
Mutiple operation	—		—		● ● —
Memory function	—		—		—
Output contact					
Contact arrangement	1 x DPDT		2 x SPDT		2 x SPST
Contact rating (Resistive load)	2A 250VAC		5A 250VAC		5A 250VAC
Mounting options					
Surface mounting	● (w/ socket)		● (w/ socket)		● (w/ socket)
Flush mounting	—		—		—
DIN Track mounting	● (w/ socket)		● (w/ socket)		● (w/ socket)
Terminal type	8-pin socket		8-pin socket		8-pin socket
Terminal arrangement	P.98		P.98		P.98
Timing chart	P.140		P.140		P.140
Certification(s)	—		—		—

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>

Category		CONTROLLER UNIT		
Model		PU-NA	PU-NB	PU-NC-□
Dimensions (mm)				
	50 40 57.5		50 40 57.5	
Specifications				
Operating voltage	AC(V) : 110, 220, 240		AC(V) : 110, 220, 240	
Operating voltage range	85~110% of rated operating voltage		85~110% of rated operating voltage	
Rated frequency	50/60Hz		50/60Hz	
Characteristics				
Output voltage	DC 24V (50mA)		DC 24V (50mA)	
				PU-NC-1 : DC 12V (250mA) PU-NC-2 : DC 24V (150mA)
Input type	PNP		NPN	
				PNP / NPN selectable
Timer	—		—	
Output contact				
Contact arrangement	1 x SPDT		1 x SPDT	
Contact rating (Resistive load)	5A 250VAC		5A 250VAC	
Mounting options				
Surface mounting	● (w/ socket)		● (w/ socket)	
Flush mounting	—		—	
DIN Track mounting	● (w/ socket)		● (w/ socket)	
Terminal type	8-pin socket		8-pin socket	
Terminal arrangement	P.98		P.98	
Timing chart	P.140		P.140	
Certification(s)	—		—	

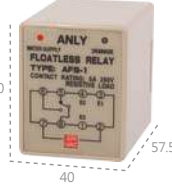
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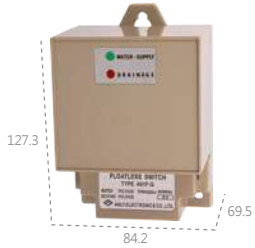
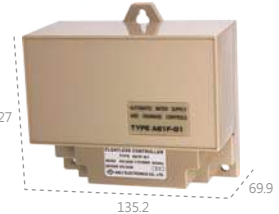
Category	CONTROLLER UNIT	
Model	PU-NE	
Dimensions (mm)	 6183.549	
Specifications		
Operating voltage	AC(V) : 100/ 220	
Operating voltage range	85~110% of rated operating voltage	
Rated frequency	50/60Hz	
Characteristics		
Output voltage	DC 12V (100mA)	
Input type	PNP / NPN selectable	
Timer	0.5s ~ 5s or 0 ~ 0.8s selectable	
Output contact		
Contact arrangement	1 x SPDT	
Contact rating (Resistive load)	5A 250VAC	
Mounting options		
Surface mounting	● (w/ socket)	
Flush mounting	—	
DIN Track mounting	● (w/ socket)	
Terminal type	8-pin socket	
Terminal arrangement	P.98	
Timing chart	P.140	
Certification(s)	—	

Category	CONTROL RELAY	
Model	BHR-1	BHR-2
Dimensions (mm)	 10725.463.7	 10725.463.7
Specifications		
Operating voltage	AC(V) : 100~240	AC(V) : 100~240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz
Characteristics	· Rated 20A resistive load · Compatible with BH Type NFB in standard distribution boxes · Controlled via any regular light switch; no need for proprietary or door bell switch (can be used with ready-made pipeline) · Can be integrated as the master off switch for interior lighting · Built-in over current protection · Built-in manual On-Off switch · Manual off can be locked to prevent accidental triggering · 0 sec, 15 sec, 30sec and 60 sec delay, selectable via DIP switch	· Rated 20A resistive load · Compatible with BH Type NFB in standard distribution boxes · Controlled via any regular light switch; no need for proprietary or door bell switch (can be used with ready-made pipeline) · Can be integrated as the master off switch for interior lighting · Built-in over current protection · Built-in manual On-Off switch · Manual off can be locked to prevent accidental triggering · 0 sec, 15 sec, 30sec and 60 sec delay, selectable via DIP switch
Output contact		
Contact arrangement	1 x SPST	2 x SPST
Contact rating (Resistive load)	20A 250VAC (BHR-12)	20A 250VAC (BHR-22)
Mounting options		
Surface mounting	●	●
Flush mounting	—	—
DIN Track mounting	●	●
Terminal type	Terminal block	Terminal block
Terminal arrangement	P.98	P.98
Timing chart	—	—
Certification(s)	—	—



LEVEL SWITCH

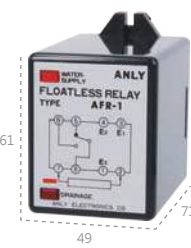
Category	FLOATLESS RELAY		
Model	EL2-1□	AFS-1□	AFS-GR
Dimensions (mm)			
Specifications			
Operating voltage	AC/DC(V) : (EL2-11) 100~240 AC/DC(V) : (EL2-12) 24	AC(V) : 110, 220, 240	AC(V) : 110, 220, 240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Characteristics			
Automatic water supply	● (a接點・當E3與S開路)	● (N.O. contact)	● (N.C. contact)
Automatic water drainage	● (a接點・當E3與S短路)	● (N.C. contact)	● (N.O. contact)
Dual motor alternate operation	—	—	—
Dual motor individual operation	—	—	—
Dual motor simultaneous operation	—	—	—
Idling prevention	—	—	—
Water shortage alarm	—	—	—
Full tank alarm	—	—	—
Single tank	●	●	●
Single tank w/ two segments	—	—	—
Dual tank	—	—	—
Sensitivity	0K~100KΩ	-1 (Standard) -1Y (High sensitivity) -1D (Low sensitivity)	Standard
Output contact			
Contact arrangement	1 x SPDT	1 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options			
Surface mounting	●	● (w/ socket)	● (w/ socket)
DIN Track mounting	●	● (w/ socket)	● (w/ socket)
Terminal type	Terminal block	8-pin socket	8-pin socket
Terminal arrangement	P.93	P.99	P.99
Timing chart	—	—	—
Certification(s)	—	—	—

CategoryFLOATLESS RELAY			
Model	A61F-GP-N	A61F-G	A61F-G1
Dimensions (mm)			
Specifications			
Operating voltage	AC(V) : 110, 220, 240	AC(V) : 110/ 220, 110/ 240, 220/ 380, 240/ 415	AC(V) : 110/ 220, 110/ 240, 220/ 380, 240/ 415
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Characteristics			
Automatic water supply	● (N.C. contact)	● (N.C. contact)	● (N.C. contact)
Automatic water drainage	● (N.O. contact)	● (N.O. contact)	—
Dual motor alternate operation	—	—	—
Dual motor individual operation	—	—	—
Dual motor simultaneous operation	—	—	—
Idling prevention	—	—	●
Water shortage alarm	—	—	●
Full tank alarm	—	—	—
Single tank	●	●	—
Single tank w/ two segments	—	—	●
Dual tank	—	—	●
Sensitivity	Standard	—	—
Output contact			
Contact arrangement	1 x DPDT	1 x SPDT	2 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options			
Surface mounting	● (w/ socket)	●	●
DIN Track mounting	● (w/ socket)	—	—
Terminal type	11-pin socket	Terminal block	Terminal block
Terminal arrangement	P.99	P.99	P.100
Timing chart	—	—	—
Certification(s)	CE	—	—

CategoryFLOATLESS RELAY			
Model	A61F-G2	A61F-G3	A61F-G4
Dimensions (mm)			
Specifications			
Operating voltage	AC(V) : 110/ 220, 110/ 240, 220/ 380, 240/ 415	AC(V) : 110/ 220 110/ 240	AC(V) : 110/ 220 110/ 240
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Characteristics			
Automatic water supply	● (N.C. contact)	● (N.C. contact)	● (N.C. contact)
Automatic water drainage	● (N.O. contact)	● (N.O. contact)	—
Dual motor alternate operation	—	—	—
Dual motor individual operation	—	—	—
Dual motor simultaneous operation	—	—	—
Idling prevention	—	—	●
Water shortage alarm	—	●	●
Full tank alarm	●	●	●
Single tank	—	—	—
Single tank w/ two segments	●	●	—
Dual tank	—	—	—
Sensitivity	—	Standard	Standard
Output contact			
Contact arrangement	1 x SPDT 1 x SPST	1 x SPDT 3 x SPST	8 x SPST 1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options			
Surface mounting	●	●	●
DIN Track mounting	—	—	—
Terminal type	Terminal block	Terminal block	Terminal block
Terminal arrangement	P.100	P.100	P.100
Timing chart	—	—	—
Certification(s)	—	—	—

CategoryFLOATLESS RELAY			
Model	AFG-2	AFG-3	AFG-4
Dimensions (mm)			
Specifications			
Operating voltage	AC(V) : 110/ 220, 110/ 240, 220/ 380, 240/ 415	AC(V) : 110/ 220, 110/ 240, 220/ 380, 240/ 415	AC(V) : 110/ 220, 110/ 240, 220/ 380, 240/ 415
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Characteristics			
Automatic water supply	● (N.O. contact)	● (N.O. contact)	—
Automatic water drainage	—	—	● (N.O. contact)
Dual motor alternate operation	●	●	●
Dual motor individual operation	●	●	●
Dual motor simultaneous operation	—	●	●
Idling prevention	●	—	—
Water shortage alarm	●	●	—
Full tank alarm	—	—	●
Single tank	—	—	—
Single tank w/ two segments	—	●	●
Dual tank	●	—	—
Sensitivity	Standard	Standard	Standard
Output contact			
Contact arrangement	1 x SPST 1 x SPDT	1 x SPST 1 x SPDT	1 x SPST 1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options			
Surface mounting	●	●	●
DIN Track mounting	—	—	—
Terminal type	Terminal block	Terminal block	Terminal block
Terminal arrangement	P.101	P.101	P.101
Timing chart	—	—	—
Certification(s)	—	—	—

CategoryFLOATLESS RELAY			
Model	ALN-08	ALN-08A	ALN-08M
Dimensions (mm)			
Specifications			
Operating voltage	AC(V) : 24, 110, 220, 240	AC(V) : 24, 110, 220, 240	AC(V) : 110, 220
Operating voltage range	85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Characteristics	SW. N.O. SW. N.C.	SW. N.O. SW. N.C.	
Automatic water supply	● (N.O. contact) ● (N.C. contact)	● (N.O. contact) ● (N.C. contact)	● (N.O. contact)
Automatic water drainage	● (N.C. contact) ● (N.O. contact)	● (N.C. contact) ● (N.O. contact)	● (N.C. contact)
Dual motor alternate operation	—	—	—
Dual motor individual operation	—	—	—
Dual motor simultaneous operation	—	—	—
Idling prevention	—	—	—
Water shortage alarm	—	—	—
Full tank alarm	—	—	—
Single tank	●	●	●
Single tank w/ two segments	—	—	—
Dual tank	—	—	—
Sensitivity	5K~100KΩ Adjustable	5K~100KΩ Adjustable	5K~1,000K High sensitivity adjustable
Output contact			
Contact arrangement	1 x SPDT	1 x SPDT	1 x SPDT
Contact rating (Resistive load)	5A 250VAC	5A 250VAC	5A 250VAC
Mounting options			
Surface mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)
DIN Track mounting	● (w/ socket)	● (w/ socket)	● (w/ socket)
Terminal type	8-pin socket	8-pin socket	8-pin socket
Terminal arrangement	P.102	P.102	P.102
Timing chart	—	—	—
Certification(s)	—	—	—

Category		FLOATLESS RELAY		
Model		ALN-11	AL2N-11	AFR-1□
Dimensions (mm)				
Specifications				
Operating voltage		AC(V) : 24, 110, 220, 240	AC(V) : 24, 110, 220, 240	AC(V) : 110, 220, 240
Operating voltage range		85~110% of rated operating voltage	85~110% of rated operating voltage	85~110% of rated operating voltage
Rated frequency		50/60Hz	50/60Hz	50/60Hz
Characteristics		SW. N.O. SW. N.C.		
Automatic water supply		● (N.O. contact) ● (N.C. contact)	● (N.O. contact)	● (N.O. contact)
Automatic water drainage		● (N.C. contact) ● (N.O. contact)	—	● (N.C. contact)
Dual motor alternate operation		—	—	—
Dual motor individual operation		—	—	—
Dual motor simultaneous operation		—	—	—
Idling prevention		●	—	—
Water shortage alarm		—	—	—
Full tank alarm		—	—	—
Single tank		●	—	●
Single tank w/ two segments		—	—	—
Dual tank		—	●	—
Sensitivity		5K~100KΩ	5K~100KΩ	-1 (Standard) -1Y (High sensitivity) -1D (Low sensitivity)
Output contact				
Contact arrangement		1 x DPDT	1 x SPDT	1 x SPDT
Contact rating (Resistive load)		5A 250VAC	5A 250VAC	5A 250VAC
Mounting options				
Surface mounting		● (w/ socket)	● (w/ socket)	● (w/ socket)
DIN Track mounting		● (w/ socket)	● (w/ socket)	● (w/ socket)
Terminal type		11-pin socket	11-pin socket	8-pin socket
Terminal arrangement		P.102	P.102	P.99
Timing chart		—	—	—
Certification(s)		—	—	—



TEMPERATURE CONTROLLER



TEMPERATURE CONTROLLER

Category	PID TEMPERATURE CONTROLLER				
Model	AT-□02				
Dimensions (mm)					
Type	AT-502	AT-602	AT-702	AT-402	AT-902
Specifications					
Operating voltage	AC/DC(V) : 100~240 · AC/DC(V) : 24~48 (AT-502 only)				
Operating voltage range	85~110% of rated operating voltage				
Rated frequency	50/60Hz				
Display digits	4 digits (PV) , 4 digits (SV)				
Sensor input	User selectable				
Thermocouple	K, J, R				
RTD	Pt-100				
Liner	—				
Control output					
Relay	3A 240VAC				
Voltage (for driving SSR)	24VDC				
Current	—				
Control method	PID (with auto-tuning) or ON/OFF control				
Nr. of alarm	1				
Communication	—				
Terminal type	Terminal block				
Type selection	A T - 4 0 2 Dimension (mm) Series 4=48x96 5=48x48 6=96x48 7=72x72 9=96x96				
Terminal arrangement	P.103				
Certification(s)	CE				

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>



TEMPERATURE CONTROLLER

Category	PID TEMPERATURE CONTROLLER			
Model	AT-□02B			
Dimensions (mm)				
Type	AT-502B	AT-702B	AT-402B	AT-902B
Specifications				
Operating voltage	AC/DC(V) : 100~240			
Operating voltage range	85~110% of rated operating voltage			
Rated frequency	50/60Hz			
Display digits	4 digits (PV) , 4 digits (SV)			
Sensor input	User selectable, expect liner input			
Thermocouple	K, J, R			
RTD	Pt-100			
Liner	4~20mA			
Control output				
Relay	3A 240VAC			
Voltage (for driving SSR)	24VDC			
Current	4~20mA (Optional, see below for more details)			
Control method	PID (with auto-tuning) or ON/OFF control			
Nr. of alarm	1 or 2 (Optional, see below for more details)			
Communication	RS485 (Optional, see below for more details)			
Terminal type	Terminal block			
Type selection	A T - 5 0 2 Dimension (mm) Input Output2 4=48x96 5=48x48 7=72x72 9=96x96 0= thermocouple or Platinum RTD 1=4~20mA 0=None 1=RELAY 2=Alarm 3=RS485 4=4~20mA			
Terminal arrangement	P.104			
Certification(s)	—			

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>

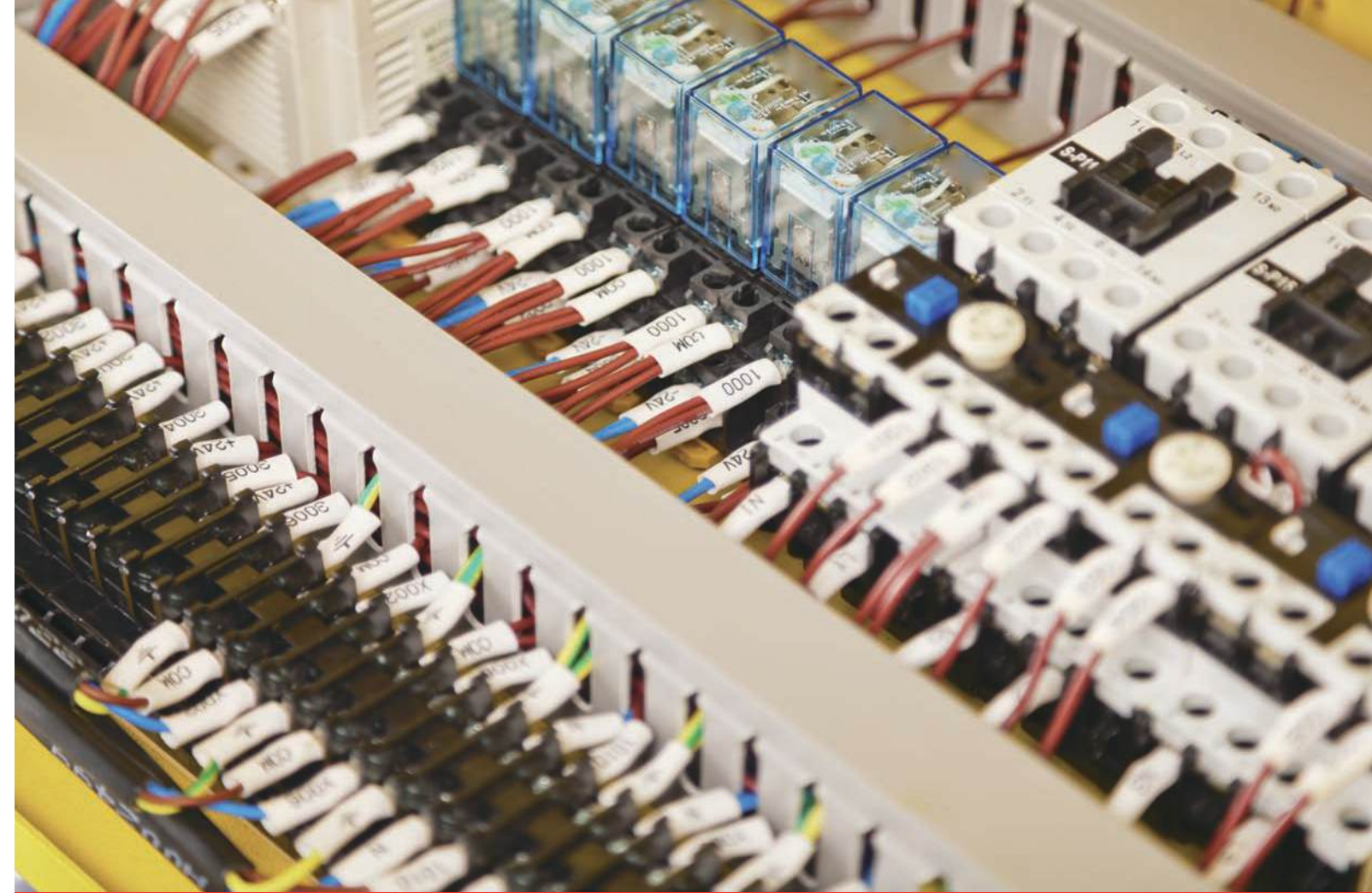


Category	PID TEMPERATURE CONTROLLER				
Model	AT-□03				
Dimensions (mm)					
Type	AT-503	AT-603	AT-703	AT-403	AT-903
Specifications					
Operating voltage	AC/DC(V) : 100~240				
Operating voltage range	90~110% of rated operating voltage				
Rated frequency	50/60Hz				
Display digits	4 digits (PV) , 4 digits (SV)				
Sensor input					
Thermocouple	K, J, T, R, E, S, B, N				
RTD	Pt100, JPt-100				
Liner	4~20mA, 1~5V or see below for more details				
Control output					
Relay	5A 250VAC or see below for more details				
Voltage (for driving SSR)	24VDC				
Current	0~20mA, 4~20mA or see below for more details				
Control method	PID (with auto-tuning) or ON/OFF control				
Nr. of alarm	1~3 (Optional, see below for more details)				
Communication	RS-485 or RS-232 (Optional, see below for more details)				
Terminal type	Terminal block				
Type selection	Dimension (mm) A T - 7 0 3 - 1 1 1 1 - 0 0 0 4=48x96 5=48x48 6=96x48 7=72x72 9=96x96 1=Relay 2=SSR 3=0~20mA 4=4~20mA 5=0~5V 6=0~10V 7=1~5V 8=2~10V 9=Motor control (not available with Output2) 1=Thermocouple or RTD 2=0~100mV 3=0~20mA 4=4~20mA 5=0~5V 6=0~10V 7=1~5V 8=2~10V 9=0~1V 0=None 1=Relay 2=SSR 3=0~20mA 4=4~20mA 5=0~5V 6=0~10V 7=1~5V 8=2~10V A=Trans(0~20mA) B=Trans(4~20mA) C=Trans(0~5V) D=Trans(0~10V) E=Trans(1~5V) F=Trans(2~10V) 1=Alarm x 1 2=Alarm x 2 3=Alarm x 3 0=None 1=DC 24V 2=CT(HB alarm) A=R-SP(0~20mA) B=R-SP(4~20mA) C=R-SP(0~5V) D=R-SP(0~10V) E=R-SP(1~5V) F=R-SP(2~10V) 0=None 1=RS-485 2=RS-232 0=None 1=Program Note : AT-503 is not available with "Other" and "3" alarms.				
Terminal arrangement	P.105				
Certification(s)	CE				

TEMPERATURE CONVERSION FORMULA

$$^{\circ}\text{F} = \frac{9}{5} ^{\circ}\text{C} + 32 \quad ^{\circ}\text{C} = (^{\circ}\text{F} - 32) \frac{5}{9}$$

MEMO



RELAY / SOLID STATE RELAY



RELAY / SOLID STATE RELAY

Category	RELAY			
Model	AHC2 / AHC2N	AHC2-NT	AHC4 / AHC4N	AHC4-NT
Dimensions (mm)	 * N : w/ LED	 * NT : w/ test button	 * N : w/ LED	 * NT : w/ test button
Specifications				
Operating voltage	DC(V) : 12, 24, 48, 110 AC(V) : 12, 24, 48, 100/ 110, 220/ 240		DC(V) : 12, 24, 48, 110 AC(V) : 12, 24, 48, 100/ 110, 220/ 240	
Contact material	Silver-Cadmium Oxide as standard		Silver-Cadmium Oxide as standard	
Contact arrangement	DPDT		4PDT	
Specifications				
Inductive load (COSØ=0.4)	AC240V 5A		AC240V 3A	
Resistive load (COSØ=1)	AC240V/ DC30V 10A		AC240V/ DC30V 5A	
Expected life				
Mechanical	10,000,000 times (at 18,000 operations/hr)		10,000,000 times (at 18,000 operations/hr)	
Electrical	100,000 times (Nominal Capacity, at 1,800 operations/hr)		100,000 times (Nominal Capacity, at 1,800 operations/hr)	
Pick-up time / Drop-up time	15 msec max		15 msec max	
Certification(s)				

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>



RELAY / SOLID STATE RELAY

Category	RELAY			
Model	AHL2 / AHL2N	AHL2-NT	AK2N	AK3N
Dimensions (mm)	 * N : w/ LED	 * NT : w/ test button	 w/ LED	 w/ LED
Specifications				
Operating voltage	DC(V) : 12, 24, 48, 110 AC(V) : 12, 24, 48, 100/ 110, 220/ 240		DC(V) : 12, 24, 48 AC(V) : 110/ 120, 220/ 240	
Contact material	Silver-Cadmium Oxide as standard		Silver-Cadmium Oxide as standard	
Contact arrangement	DPDT		DPDT	3PDT
Specification				
Inductive load (COSØ=0.4)	AC240V 5A		AC240V 10A	
Resistive load (COSØ=1)	AC240V/ DC30V 12A		AC240V/ DC28V 10A	
Expected life				
Mechanical	10,000,000 times (at 18,000 operations/hr)		10,000,000 times (at 18,000 operations/hr)	
Electrical	100,000 times (Nominal Capacity, at 1,800 operations/hr)		100,000 times (Nominal Capacity, at 1,800 operations/hr)	
Pick-up time / Drop-up time	15 msec max		15 msec max	
Certification(s)			—	

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>

SOLID STATE RELAY

⚠ ATTENTION ! Please use proper heat sink when installing Solid State Relay (SSR). SSR may breakdown when overheated. ⚠

VOLTAGE / DC-AC SINGLE PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-10DA	4~32VDC	10A	24~280VAC	Zero-Cross	
	ASR-15DA		15A			
	ASR-25DA		25A			
	ASR-40DA		40A			
	ASR-50DA		50A			
	ASR-75DA		75A			
	ASR-90DA		90A			
	ASR-100DA		100A			
	ASR-125DA		125A			
	ASR-10DA-H	4~32VDC	10A	48~480VAC	Zero-Cross	
	ASR-15DA-H		15A			
	ASR-25DA-H		25A			
	ASR-40DA-H		40A			
	ASR-50DA-H		50A			
	ASR-75DA-H		75A			
	ASR-90DA-H		90A			
	ASR-100DA-H		100A			
	ASR-125DA-H		125A			

VOLTAGE / AC-AC SINGLE PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-10AA	80~280VAC	10A	24~280VAC	Zero-Cross	CE
	ASR-15AA		15A			
	ASR-25AA		25A			
	ASR-40AA		40A			
	ASR-50AA		50A			
	ASR-75AA		75A			
	ASR-90AA		90A			
	ASR-100AA		100A			
	ASR-125AA		125A			
	ASR-10AA-H	80~280VAC	10A	48~480VAC	Zero-Cross	CE
	ASR-15AA-H		15A			
	ASR-25AA-H		25A			
	ASR-40AA-H		40A			
	ASR-50AA-H		50A			
	ASR-75AA-H		75A			
	ASR-90AA-H		90A			
	ASR-100AA-H		100A			
	ASR-125AA-H		125A			



SOLID STATE RELAY

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VOLTAGE / DC-DC SINGLE PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-05DD	3~32VDC	5A	5~120VDC	—	CE
	ASR-10DD		10A			
	ASR-25DD		25A			
	ASR-40DD		40A			
	ASR-50DD		50A			
	ASR-75DD		75A			
	ASR-90DD		90A			
	ASR-10DD-H	3~32VDC	10A	5~240VDC	—	CE
	ASR-25DD-H		25A			
	ASR-40DD-H		40A			
	ASR-50DD-H		50A			
	ASR-75DD-H		75A			
	ASR-90DD-H		90A			

VARIABLE / AC SINGLE PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
 (included)	ASR-10RA	250KΩ	10A	24~280VAC	Phase Control	CE
	ASR-15RA		15A			
	ASR-25RA		25A			
	ASR-40RA		40A			
	ASR-50RA	500KΩ	50A			
	ASR-75RA		75A			
	ASR-90RA		90A			
 (included)	ASR-10RA-H	1MΩ	10A	48~480VAC	Phase Control	CE
	ASR-15RA-H		15A			
	ASR-25RA-H		25A			
	ASR-40RA-H		40A			
	ASR-50RA-H		50A			
	ASR-75RA-H		75A			
	ASR-90RA-H		90A			

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>



SOLID STATE RELAY

⚠ ATTENTION ! Please use proper heat sink when installing Solid State Relay (SSR). SSR may breakdown when overheated. ⚠

CURRENT / AC SINGLE PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-10CA	4~20mA (DC 3.8~10V)	10A	200~280VAC	Phase Control	CE
	ASR-15CA		15A			
	ASR-25CA		25A			
	ASR-40CA		40A			
	ASR-50CA		50A			
	ASR-75CA		75A			
	ASR-90CA		90A			
	ASR-10CA-H	4~20mA (DC 3.8~10V)	10A	380~480VAC	Phase Control	CE
	ASR-15CA-H		15A			
	ASR-25CA-H		25A			
	ASR-40CA-H		40A			
	ASR-50CA-H		50A			
	ASR-75CA-H		75A			
	ASR-90CA-H		90A			

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SOLID STATE RELAY

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INDUCTIVE (MOTOR) LOAD / DC-AC 3 PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-3PI25DA	6~32VDC	25A	24~280VAC	Random Switching	CE
	ASR-3PI40DA		40A			
	ASR-3PI50DA		50A			
	ASR-3PI75DA		75A			
	ASR-3PI90DA		50A			
	ASR-3PI100DA		90A			
	ASR-3PI125DA		125A			
	ASR-3PI25DA-H	12~32VDC	25A	48~480VAC	Random Switching	CE
	ASR-3PI40DA-H		40A			
	ASR-3PI50DA-H		50A			
	ASR-3PI75DA-H		75A			
	ASR-3PI90DA-H		90A			
	ASR-3PI100DA-H		100A			
	ASR-3PI125DA-H		125A			

RESISTIVE (HEATER) LOAD / DC-AC 3 PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-3PH25DA	6~32VDC	25A	24~280VAC	Zero-Cross	CE
	ASR-3PH40DA		40A			
	ASR-3PH50DA		50A			
	ASR-3PH75DA		75A			
	ASR-3PH90DA		50A			
	ASR-3PH100DA		90A			
	ASR-3PH125DA		125A			
	ASR-3PH25DA-H	12~32VDC	25A	48~480VAC	Zero-Cross	CE
	ASR-3PH40DA-H		40A			
	ASR-3PH50DA-H		50A			
	ASR-3PH75DA-H		75A			
	ASR-3PH90DA-H		90A			
	ASR-3PH100DA-H		100A			
	ASR-3PH125DA-H		125A			

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>



SOLID STATE RELAY

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INDUCTIVE (MOTOR) LOAD / AC-AC 3 PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-3PI25AA	80~280VAC	25A	24~280VAC	Random Switching	CE
	ASR-3PI40AA		40A			
	ASR-3PI50AA		50A			
	ASR-3PI75AA		75A			
	ASR-3PI90AA		90A			
	ASR-3PI100AA		100A			
	ASR-3PI125AA		125A			
	ASR-3PI25AA-H	80~280VAC	25A	48~480VAC	Random Switching	CE
	ASR-3PI40AA-H		40A			
	ASR-3PI50AA-H		50A			
	ASR-3PI75AA-H		75A			
	ASR-3PI90AA-H		90A			
	ASR-3PI100AA-H		100A			
	ASR-3PI125AA-H		125A			

RESISTIVE (HEATER) LOAD / AC-AC 3 PHASE

	Model	Current control	Max. load current	Load voltage range	Switching type	Safety certification
	ASR-3PH25AA	80~280VAC	25A	24~280VAC	Zero-Cross	CE
	ASR-3PH40AA		40A			
	ASR-3PH50AA		50A			
	ASR-3PH75AA		75A			
	ASR-3PH90AA		90A			
	ASR-3PH100AA		100A			
	ASR-3PH125AA		125A			
	ASR-3PH25AA-H	80~280VAC	25A	48~480VAC	Zero-Cross	CE
	ASR-3PH40AA-H		40A			
	ASR-3PH50AA-H		50A			
	ASR-3PH75AA-H		75A			
	ASR-3PH90AA-H		90A			
	ASR-3PH100AA-H		100A			
	ASR-3PH125AA-H		125A			

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SOLID STATE RELAY

DC-AC SINGLE PHASE MODULE TYPE

	Model	Output number	Input control voltage	Input control type	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-M04DA-1	ASR-M02DA-1	1	3~32VDC	—	2A	24~280VAC	Zero-Cross	CE
	ASR-M02DA-2	2		—				
	ASR-M02DA-4P	4		PNP(com +)				
	ASR-M02DA-4N	4		NPN(com -)				
	ASR-M02DA-8P	8		PNP(com +)				
	ASR-M02DA-8N	8		NPN(com -)				
 ASR-M04DA-2	ASR-M02DA-H-1	1	3~32VDC	—	2A	24~480VAC	Zero-Cross	CE
	ASR-M02DA-H-2	2		—				
	ASR-M02DA-H-4P	4		PNP(com +)				
	ASR-M02DA-H-4N	4		NPN(com -)				
	ASR-M02DA-H-8P	8		PNP(com +)				
	ASR-M02DA-H-8N	8		NPN(com -)				
 ASR-M04DA-4P	ASR-M03DA-1	1	3~32VDC	—	3A	24~280VAC	Zero-Cross	CE
	ASR-M03DA-2	2		—				
	ASR-M03DA-4P	4		PNP(com +)				
	ASR-M03DA-4N	4		NPN(com -)				
	ASR-M03DA-8P	8		PNP(com +)				
	ASR-M03DA-8N	8		NPN(com -)				
 ASR-M04DA-8P	ASR-M03DA-H-1	1	3~32VDC	—	3A	24~480VAC	Zero-Cross	CE
	ASR-M03DA-H-2	2		—				
	ASR-M03DA-H-4P	4		PNP(com +)				
	ASR-M03DA-H-4N	4		NPN(com -)				
	ASR-M03DA-H-8P	8		PNP(com +)				
	ASR-M03DA-H-8N	8		NPN(com -)				
 ASR-M04DA-1	ASR-M04DA-1	1	3~32VDC	—	4A	24~280VAC	Zero-Cross	CE
	ASR-M04DA-2	2		—				
	ASR-M04DA-4P	4		PNP(com +)				
	ASR-M04DA-4N	4		NPN(com -)				
	ASR-M04DA-8P	8		PNP(com +)				
	ASR-M04DA-8N	8		NPN(com -)				
 ASR-M04DA-2	ASR-M04DA-H-1	1	3~32VDC	—	4A	24~480VAC	Zero-Cross	CE
	ASR-M04DA-H-2	2		—				
	ASR-M04DA-H-4P	4		PNP(com +)				
	ASR-M04DA-H-4N	4		NPN(com -)				
	ASR-M04DA-H-8P	8		PNP(com +)				
	ASR-M04DA-H-8N	8		NPN(com -)				
 ASR-M04DA-4P	ASR-M05DA-1	1	3~32VDC	—	5A	24~280VAC	Zero-Cross	CE
	ASR-M05DA-2	2		—				
	ASR-M05DA-4P	4		PNP(com +)				
	ASR-M05DA-4N	4		NPN(com -)				
	ASR-M05DA-8P	8		PNP(com +)				
	ASR-M05DA-8N	8		NPN(com -)				

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SOLID STATE RELAY

DC-AC SINGLE PHASE MODULE TYPE

	Model	Output number	Input control Voltage	Input control type	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-M04DA-8P	ASR-M05DA-H-1	1	3~32VDC	—	5A	24~480VAC	Zero-Cross	CE
	ASR-M05DA-H-2	2		—				
	ASR-M05DA-H-4P	4		PNP(com +)				
	ASR-M05DA-H-4N	4		NPN(com -)				
	ASR-M05DA-H-8P	8		PNP(com +)				
	ASR-M05DA-H-8N	8		NPN(com -)				
 ASR-M04DA-1	ASR-M06DA-1	1	3~32VDC	—	6A	24~280VAC	Zero-Cross	CE
	ASR-M06DA-2	2		—				
	ASR-M06DA-4P	4		PNP(com +)				
	ASR-M06DA-4N	4		NPN(com -)				
	ASR-M06DA-8P	8		PNP(com +)				
	ASR-M06DA-8N	8		NPN(com -)				
 ASR-M04DA-2	ASR-M06DA-H-1	1	3~32VDC	—	6A	24~480VAC	Zero-Cross	CE
	ASR-M06DA-H-2	2		—				
	ASR-M06DA-H-4P	4		PNP(com +)				
	ASR-M06DA-H-4N	4		NPN(com -)				
	ASR-M06DA-H-8P	8		PNP(com +)				
	ASR-M06DA-H-8N	8		NPN(com -)				

AC-AC SINGLE PHASE MODULE TYPE

	Model	Output number	Input control Voltage	Input control type	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-M04DA-1	ASR-M02AA-1	1	80~280VAC	—	2A	24~280VAC	Zero-Cross	CE
	ASR-M02AA-2	2		—				
	ASR-M02AA-4	4		—				
	ASR-M02AA-8	8		—				
 ASR-M04DA-2	ASR-M04AA-1	1	80~280VAC	—	4A	24~280VAC	Zero-Cross	CE
	ASR-M04AA-2	2		—				
	ASR-M04AA-4	4		—				
	ASR-M04AA-8	8		—				
 ASR-M04DA-4P	ASR-M06AA-1	1	80~280VAC	—	6A	24~280VAC	Zero-Cross	CE
	ASR-M06AA-2	2		—				
	ASR-M06AA-4	4		—				
	ASR-M06AA-8	8		—				

AC-DC SINGLE PHASE MODULE TYPE

	Model	Output number	Input control Voltage	Input control type	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-M04AD-1	ASR-M02AD-1	1	80~280VAC	—	2A	3~60VDC	—	CE
	ASR-M02AD-2	2		—				
	ASR-M02AD-4	4		—				
	ASR-M02AD-8	8		—				
 ASR-M04AD-4	ASR-M04AD-1	1	80~280VAC	—	4A	3~60VDC	—	CE
	ASR-M04AD-2	2		—				
	ASR-M04AD-4	4		—				
	ASR-M04AD-8	8		—				

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SOLID STATE RELAY

DC-DC SINGLE PHASE MODULE TYPE

	Model	Output number	Input control voltage	Input control type	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-M04AD-4	ASR-M02DD-1	1	3~32VDC	—	2A	3~60VDC	—	CE
	ASR-M02DD-2	2		—				
	ASR-M02DD-4P	4		PNP(com +)				
	ASR-M02DD-4N	4		NPN(com -)				
	ASR-M02DD-8P	8		PNP(com +)				
	ASR-M02DD-8N	8		NPN(com -)				
 ASR-M04AD-4	ASR-M04DD-1	1	3~32VDC	—	4A	3~60VDC	—	CE
	ASR-M04DD-2	2		—				
	ASR-M04DD-4P	4		PNP(com +)				
	ASR-M04DD-4N	4		NPN(com -)				
	ASR-M04DD-8P	8		PNP(com +)				
	ASR-M04DD-8N	8		NPN(com -)				

DC-AC SINGLE PHASE PCB TYPE

	Model	Input control voltage	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-04DA	ASR-02DA	3~32VDC	2A	24~280VAC	Zero-Cross	CE
	ASR-03DA		3A			
	ASR-04DA		4A			
	ASR-05DA		5A			
	ASR-06DA		6A			
 ASR-04DA-H	ASR-02DA-H	3~32VDC	2A	24~480VAC	Zero-Cross	CE
	ASR-03DA-H		3A			
	ASR-04DA-H		4A			
	ASR-05DA-H		5A			
	ASR-06DA-H		6A			

AC-AC SINGLE PHASE PCB TYPE

	Model	Input control voltage	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-04AA	ASR-02AA	80~280VAC	2A	24~280VAC	Zero-Cross	CE
	ASR-04AA		4A			
	ASR-06AA		6A			

DC-DC SINGLE PHASE PCB TYPE

	Model	Input control voltage	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-04DD	ASR-02DD	3~32VDC	2A	3~60VDC	—	CE
	ASR-04DD		4A			

AC-DC SINGLE PHASE PCB TYPE

	Model	Input control voltage	Max. load current	Load voltage range	Switching type	Safety certification
 ASR-04DD	ASR-02AD	80~280VAC	2A	3~60VDC	—	CE
	ASR-04AD		4A			



SENSOR

PROXIMITY SENSOR

INDUCTIVE

	Model	Output state	Output mode	Operating voltage	Sensing distance	Note
	HQ-1705-N1 HQ-1705-N2	NPN	NO NC	DC(V)10~30	5mm	
	HQ-1705-P1 HQ-1705-P2	PNP	NO NC			
	HQ-1805-N1 HQ-1805-N2	NPN	NO NC	DC(V)10~30	5mm	
	HQ-1805-P1 HQ-1805-P2	PNP	NO NC			
	HQ-1805-D1 * HQ-1805-D2 *	NPN	NO NC			
	HQ-1805-A1 HQ-1805-A2	—	NO NC	AC(V)24~240		
	HQ-2507-N1 HQ-2507-N2	NPN	NO NC	DC(V)10~30	7mm	
	HQ-2507-P1 HQ-2507-P2	PNP	NO NC			
	HQ-2507-D1 * HQ-2507-D2 *	NPN	NO NC			
	HQ-2507-A1 HQ-2507-A2	—	NO NC	AC(V)24~240		
	HQ-3010-N1 HQ-3010-N2	NPN	NO NC	DC(V)10~30	10mm	
	HQ-3010-P1 HQ-3010-P2	PNP	NO NC			
	HQ-3010-D1 * HQ-3010-D2 *	NPN	NO NC			
	HQ-3010-A1 HQ-3010-A2	—	NO NC	AC(V)24~240		
	HQ-3015-N1 HQ-3015-N2	NPN	NO NC	DC(V)10~30	15mm	
	HQ-3015-P1 HQ-3015-P2	PNP	NO NC			
	HQ-3015-D1 * HQ-3015-D2 *	NPN	NO NC			
	HQ-3015-A1 HQ-3015-A2	—	NO NC	AC(V)24~240		
	HQ-4020-N1 HQ-4020-N2	NPN	NO NC	DC(V)10~30	20mm	
	HQ-4020-P1 HQ-4020-P2	PNP	NO NC			
	HQ-4020-D1 * HQ-4020-D2 *	NPN	NO NC			
	HQ-4020-A1 HQ-4020-A2	—	NO NC	AC(V)24~240		

PROXIMITY SENSOR

INDUCTIVE

	Model	Output state	Output mode	Operating voltage	Sensing distance	Note
	HQ-1204-N1 HQ-1204-N2	NPN	NO NC	DC(V)10~30	4mm	
	HQ-1204-P1 HQ-1204-P2	PNP	NO NC			
	HF-1805-N1H HF-1805-N2H	NPN	NO NC	DC(V)10~30	5mm	
	HF-1805-P1H HF-1805-P2H	PNP	NO NC			
	IS-0801-N1 IS-0801-N2	NPN	NO NC	DC(V)10~30	1mm	
	IS-0801-P1 IS-0801-P2	PNP	NO NC			
	IS-0802-N1 IS-0802-N2	NPN	NO NC	DC(V)10~30	2mm	
	IS-0802-P1 IS-0802-P2	PNP	NO NC			
	IS-1202-N1 IS-1202-N2	NPN	NO NC	DC(V)10~30	2mm	
	IS-1202-P1 IS-1202-P2	PNP	NO NC			
	IS-1202-D1 * IS-1202-D2 *	—	NO NC			
	IS-1202-A1 IS-1202-A2	—	NO NC	AC(V)24~240		
	IS-1204-N1 IS-1204-N2	NPN	NO NC	DC(V)10~30	4mm	
	IS-1204-P1 IS-1204-P2	PNP	NO NC			
	IS-1204-D1 * IS-1204-D2 *	—	NO NC			
	IS-1204-A1 IS-1204-A2	—	NO NC	AC(V)24~240		
	IS-1805-N1 IS-1805-N2	NPN	NO NC	DC(V)10~30	5mm	
	IS-1805-P1 IS-1805-P2	PNP	NO NC			
	IS-1805-D1 * IS-1805-D2 *	—	NO NC			
	IS-1805-A1 IS-1805-A2	—	NO NC	AC(V)24~240		

* : -D1 & -D2 are DC 2-wire type

PROXIMITY SENSOR

INDUCTIVE

	Model	Output state	Output mode	Operating voltage	Sensing distance	Note
	IS-1808-N1 IS-1808-N2	NPN	NO NC	DC(V)10~30	8mm	
	IS-1808-P1 IS-1808-P2	PNP	NO NC			
	IS-1808-D1 * IS-1808-D2 *	—	NO NC	DC(V)10~30	8mm	
	IS-1808-A1 IS-1808-A2	—	NO NC	AC(V)24~240		
	IS-3010-N1 IS-3010-N2	NPN	NO NC	DC(V)10~30	10mm	
	IS-3010-P1 IS-3010-P2	PNP	NO NC			
	IS-3010-D1 * IS-3010-D2 *	—	NO NC			
	IS-3010-A1 IS-3010-A2	—	NO NC	AC(V)24~240		
	IS-3015-N1 IS-3015-N2	NPN	NO NC	DC(V)10~30	15mm	
	IS-3015-P1 IS-3015-P2	PNP	NO NC			
	IS-3015-D1 * IS-3015-D2 *	—	NO NC			
	IS-3015-A1 IS-3015-A2	—	NO NC	AC(V)24~240		
	HS-1805-N1 HS-1805-N2	NPN	NO NC	DC(V)10~30	5mm	
	HS-1805-P1 HS-1805-P2	PNP	NO NC			
	HS-1808-N1 HS-1808-N2	NPN	NO NC	DC(V)10~30	8mm	
	HS-1808-P1 HS-1808-P2	PNP	NO NC			
	HS-3010-N1 HS-3010-N2	NPN	NO NC	DC(V)10~30	10mm	
	HS-3010-P1 HS-3010-P2	PNP	NO NC			
	HS-3015-N1 HS-3015-N2	NPN	NO NC	DC(V)10~30	15mm	
	HS-3015-P1 HS-3015-P2	PNP	NO NC			

* : -D1 & -D2 are DC 2-wire type

PROXIMITY SENSOR

CAPACITIVE

	Model	Output state	Output mode	Operating voltage	Sensing distance	Note
	KS-1808-N1 KS-1808-N2	NPN	NO NC	DC(V)10~30	8mm	
	KS-1808-P1 KS-1808-P2	PNP	NO NC			
	KS-1810-N1 KS-1810-N2	NPN	NO NC			
	KS-1810-P1 KS-1810-P2	PNP	NO NC			
	KS-3020-N1 KS-3020-N2	NPN	NO NC	DC(V)10~30	20mm	
	KS-3020-P1 KS-3020-P2	PNP	NO NC			
	CS-3020-N1 CS-3020-N2	NPN	NO NC			
	CS-3020-P1 CS-3020-P2	PNP	NO NC			

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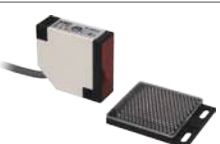
	Model	Output state	Output mode	Operating voltage	Sensing distance	Method of detection	Note
	PS-10D-NH	NPN	NO/NC Switchable	DC(V)10~30	10cm	Diffuse reflective	
	PS-10D-PH	PNP					
	PS-40D-NH	NPN					
	PS-40D-PH	PNP					
	PS-300M-NH	NPN	NO/NC Switchable	DC(V)10~30	3m	Mirror reflective	
	PS-300M-PH	PNP					
	PS-2000T-NH	NPN	NO/NC Switchable	DC(V)10~30	20m	Through-beam	
	PS-2000T-PH	PNP					
	PS-10D-N	NPN	NO/NC Switchable	DC(V)10~30	10cm	Diffuse reflective	
	PS-10D-P	PNP					
	PS-30D-N	NPN					
	PS-30D-P	PNP					
	PS-300M-N	NPN	NO/NC Switchable	DC(V)10~30	3m	Mirror reflective	
	PS-300M-P	PNP					
	PS-2000T-N	NPN	NO/NC Switchable	DC(V)10~30	20m	Through-beam	
	PS-2000T-P	PNP					
	PF-100D-R	Relay	NO/NC Switchable	AC/DC(V) 24~240	1m	Diffuse reflective	
	PF-200D-R				2m		
	PF-300M-R	Relay	NO/NC Switchable	AC/DC(V) 24~240	3m	Mirror reflective	
	PF-500M-R				5m		
	PF-700M-R				7m		
	PF-800M-R				8m		
	PF-1000T-R	Relay	NO/NC Switchable	AC/DC(V) 24~240	10m	Through-beam	
	PF-2000T-R				20m		
	PT-15D-N	NPN	NO/NC Switchable	DC(V)10~30	10cm	Diffuse reflective	
	PT-15D-P	PNP					
	PT-30D-N	NPN					
	PT-30D-P	PNP					
	PT-200M-N	NPN	NO/NC Switchable	DC(V)10~30	2m	Mirror reflective	
	PT-200M-P	PNP					

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	Model	Output state	Output mode	Operating voltage	Sensing distance	Method of detection	Note
	PT-200T-N	NPN	NO/NC Switchable	DC(V)10~30	2m	Through-beam	
	PT-200T-P	PNP					
	PQ-10D-NH	NPN	NO/NC Switchable	DC(V)10~30	10cm	Diffuse reflective	
	PQ-10D-PH	PNP					
	PQ-100M-PH	NPN	NO/NC Switchable	DC(V)10~30	1m	Mirror reflective	
	PQ-100M-PH	PNP					
	PQ-100T-NH	NPN	NO/NC Switchable	DC(V)10~30	1m	Through-beam	
	PQ-100T-PH	PNP					
	PM-10D-1	NPN/PNP Switchable	NO	DC(V)10~30	10cm	Diffuse reflective	
	PM-10D-2		NC		40cm		
	PM-40D-1		NO				
	PM-40D-2		NC				
	PM-200M-1	NPN/PNP Switchable	NO	DC(V)10~30	2m	Mirror reflective	
	PM-200M-2		NC				
	PM-500T-1	NPN	NO/NC Switchable	DC(V)10~30	5m	Through-beam	
	PG-06-N□	NPN	DC mode/NPN	DC(V)10~30	6mm	Through-beam	□= R: Red light G: Green light
	PG-06-P□	PNP	DC mode/PNP				
	PG-670NL	NPN	NO/NC Switchable	DC(V)5~24	5mm	Through-beam	4 pole Connector L: Light on D: Dark on
	PG-670ND						
	PG-670PL	PNP					
	PG-670PD						
	PG-470NL1	NPN	NO	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-470ND1						
	PG-470PL1	PNP					
	PG-470PD1						
	PG-470NL2	NPN	NC	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-470ND2						
	PG-470PL2	PNP					
	PG-470PD2						

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	Model	Output state	Output mode	Operating voltage	Sensing distance	Method of detection	Note
	PG-671NL	NPN	NO/NC Switchable	DC(V)5~24	5mm	Through-beam	4 pole Connector L: Light on D: Dark on
	PG-671ND						
	PG-671PL	PNP					
	PG-671PD						
	PG-471NL1	NPN	NO	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-471ND1						
	PG-471PL1	PNP					
	PG-471PD1						
	PG-471NL2	NPN	NC	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-471ND2						
	PG-471PL2	PNP					
	PG-471PD2						
	PG-672NL	NPN	NO/NC Switchable	DC(V)5~24	5mm	Through-beam	4 pole Connector L: Light on D: Dark on
	PG-672ND						
	PG-672PL	PNP					
	PG-672PD						
	PG-472NL1	NPN	NO	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-472ND1						
	PG-472PL1	PNP					
	PG-472PD1						
	PG-472NL2	NPN	NC	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-472ND2						
	PG-472PL2	PNP					
	PG-472PD2						
	PG-674NL	NPN	NO/NC Switchable	DC(V)5~24	5mm	Through-beam	4 pole Connector L: Light on D: Dark on
	PG-674ND						
	PG-674PL	PNP					
	PG-674PD						
	PG-474NL1	NPN	NO	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-474ND1						
	PG-474PL1	PNP					
	PG-474PD1						
	PG-474NL2	NPN	NC	DC(V)5~24	5mm	Through-beam	3 pole Connector L: Light on D: Dark on
	PG-474ND2						
	PG-474PL2	PNP					
	PG-474PD2						

For more and up-to-date product information, please visit us at <http://www.anly.com.tw>

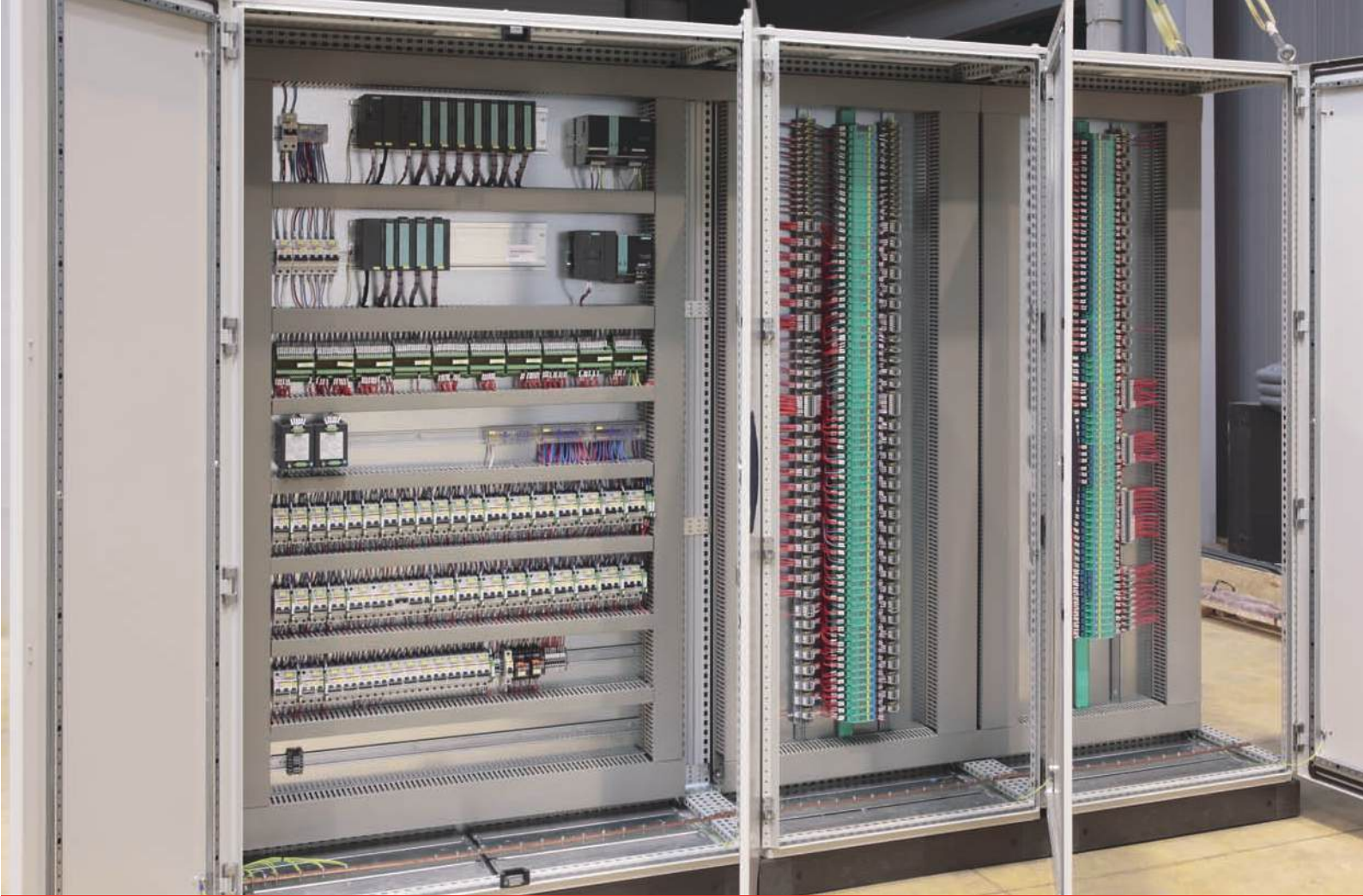
PHOTO SENSOR

OPTICAL FIBER AMPLIFIER UNITS

	Model	Output state	Output mode	Operating voltage	Purpose of detection	Note
	AU-F03-GN	NPN	ON/OFF Output	DC(V)12~24	General	
	AU-F03-GP	PNP				
	AU-F04-GN	NPN	ON/OFF Output	DC(V)12~24	General	
	AU-F04-GP	PNP				
	AU-F04-MN	NPN			Mark	
	AU-F04-MP	PNP				

OPTICAL FIBER CABLE

	Model	Specification	Sensing distance	Method of detection	Note
	FS-05T-100	M3 ; 1.0Ø -100 w/ 1M cable -200 w/ 2M cable	5cm	Through-beam	
	FS-05T-200				
	FS-15T-100	M4 ; 1.0Ø -100 w/ 1M cable -200 w/ 2M cable	15cm	Through-beam	
	FS-15T-200				
	FH-05T-100	M4 ; 0.5Ø -100 w/ 1M cable -200 w/ 2M cable	5cm	Through-beam	
	FH-05T-200				
	FH-15T-100	M4 ; 1.0Ø -100 w/ 1M cable -200 w/ 2M cable	15cm	Through-beam	
	FH-15T-200				
	FS-01D-100	M4 ; 0.5Ø -100 w/ 1M cable -200 w/ 2M cable	1.2cm	Diffuse reflective	
	FS-01D-200				
	FS-04D-100	M6 ; 1.0Ø -100 w/ 1M cable -200 w/ 2M cable	4cm	Diffuse reflective	
	FS-04D-200				
	FH-01D-100	M4 ; 0.5Ø -100 w/ 1M cable -200 w/ 2M cable	1.2cm	Diffuse reflective	
	FH-01D-200				
	FH-04D-100	M6 ; 1.0Ø -100 w/ 1M cable -200 w/ 2M cable	4cm	Diffuse reflective	
	FH-04D-200				



ACCESSORIES

ACCESSORY

Socket

	Model	Note		Model	Note
	8PFA			US-08	
	P2CF-08			PF083BE	CE
	PF085A			PF113BE	CE
	PF083A			PYF08A	
	PF083A-E			PYF08A-E	CE
	PF113A			PYF14A	
	P3G-08			PYF14A-E	CE
	P3G-08E	CE		PTF08A	
	P3G-11			PTF-08AE	CE

ACCESSORY

Adapter

	Model	Note
	Y-20	AMY series use only
	Y-30	AH3G series use only
	Y-40	50x40 series use only
	Y-40W	50x40 series use only
	Y-50	48x48 series use only
	Y-57	48x48 series use only, must used with Y-50.
	Y-70	APT series use only

Electrodes and Accessories

	Model	Note
	APS-3	
	PS-3S	
	PS-4S	
	PS-5S	
	AF-12	APS-3 use only
	SUSQ-3	
	SUSQ-5	
	#304 Stainless rod (1M)	
	Copper connector for stainless rod	

ACCESSORY

PVC DUST COVER

	Model	Note
	ASY soft cover	50x40 series use only
	AH5 soft cover	48x48 series use only
	ASY hard cover	50x40 series use only

DIN Rail

	Model	Note
	AL-100	with anodic treatment

HOOK

	Model	Note
	FM-4	Using with AMY series & PYF08A(E) or PYF14A(E)
	FG-3	Using with AH3 series & P3G-08(E) or P3G-11
	FH-3	Using with PF085A (For AH3 series)
	FH-3L	Using with PF085A (For H3B series)
	A35	Using with PF083BE or PF113BE (For AVR series)
	PYC-A1	Using with PYF08A(E) or PYF14A(E) (For AHC series)

ACCESSORY

HEAT SINK for SINGLE PHASE SSR

	Model	Suggested Amp.
	HS-060-50T	5A, 10A, 15A
	HS-060-50	10A, 15A
	HS-060-80	25A
	HS-060-100	40A
	HS-060-120	50A
	HS-060-150	75A
	HS-070-50	25A
	HS-070-100	40A
	HS-070-150	50A
	HS-081-45	10A
	HS-081-70	25A
	HS-081-100	40A
	HS-081-120	50A
	HS-081-150	75A, 100A, 125A

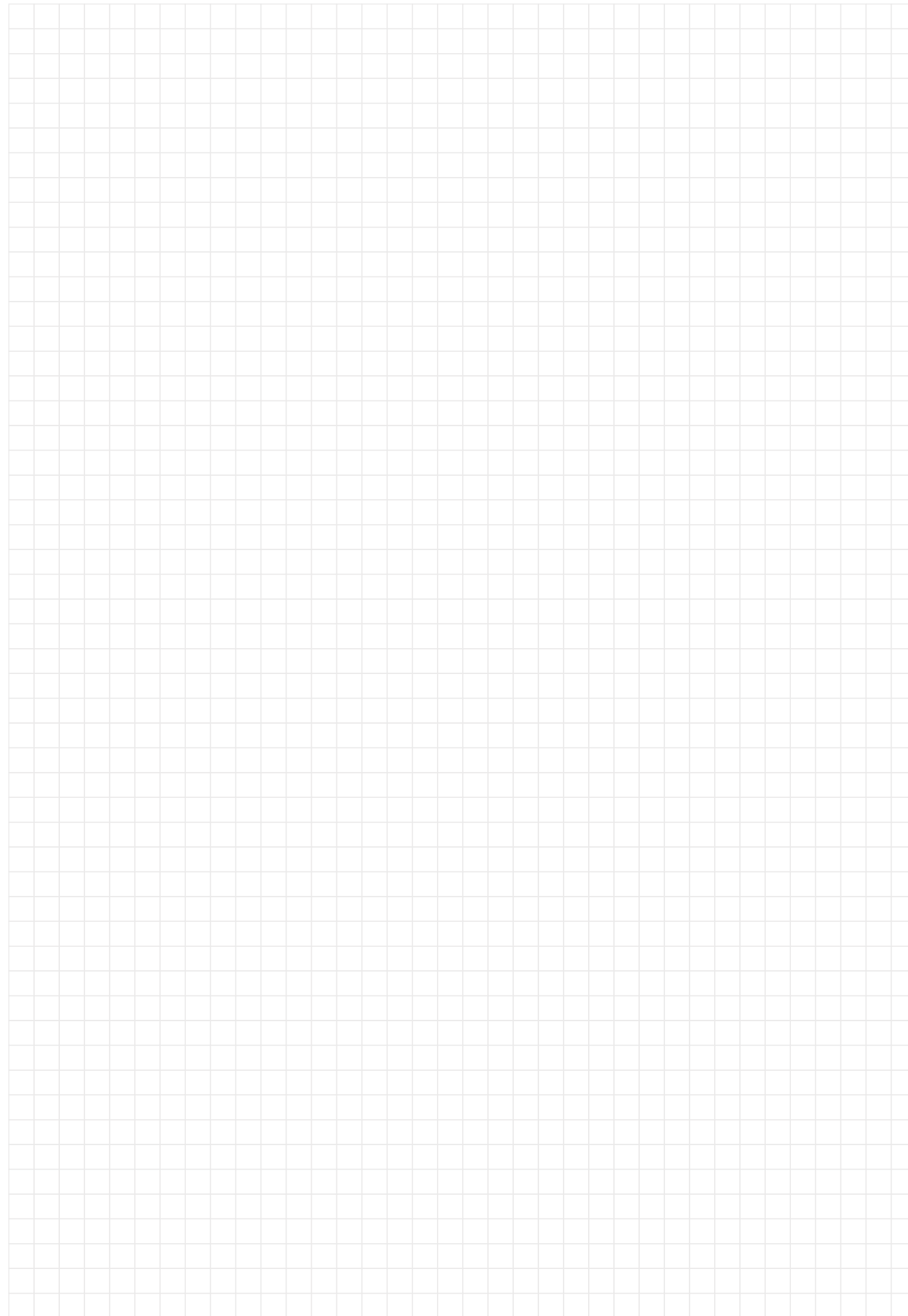
HEAT SINK for 3 PHASE SSR

	Model	Suggested Amp.
	HS-060-100TP	25A, 40A
	HS-081-104P	25A, 40A
	HS-081-120P	50A
	HS-081-150P	75A, 100A, 125A

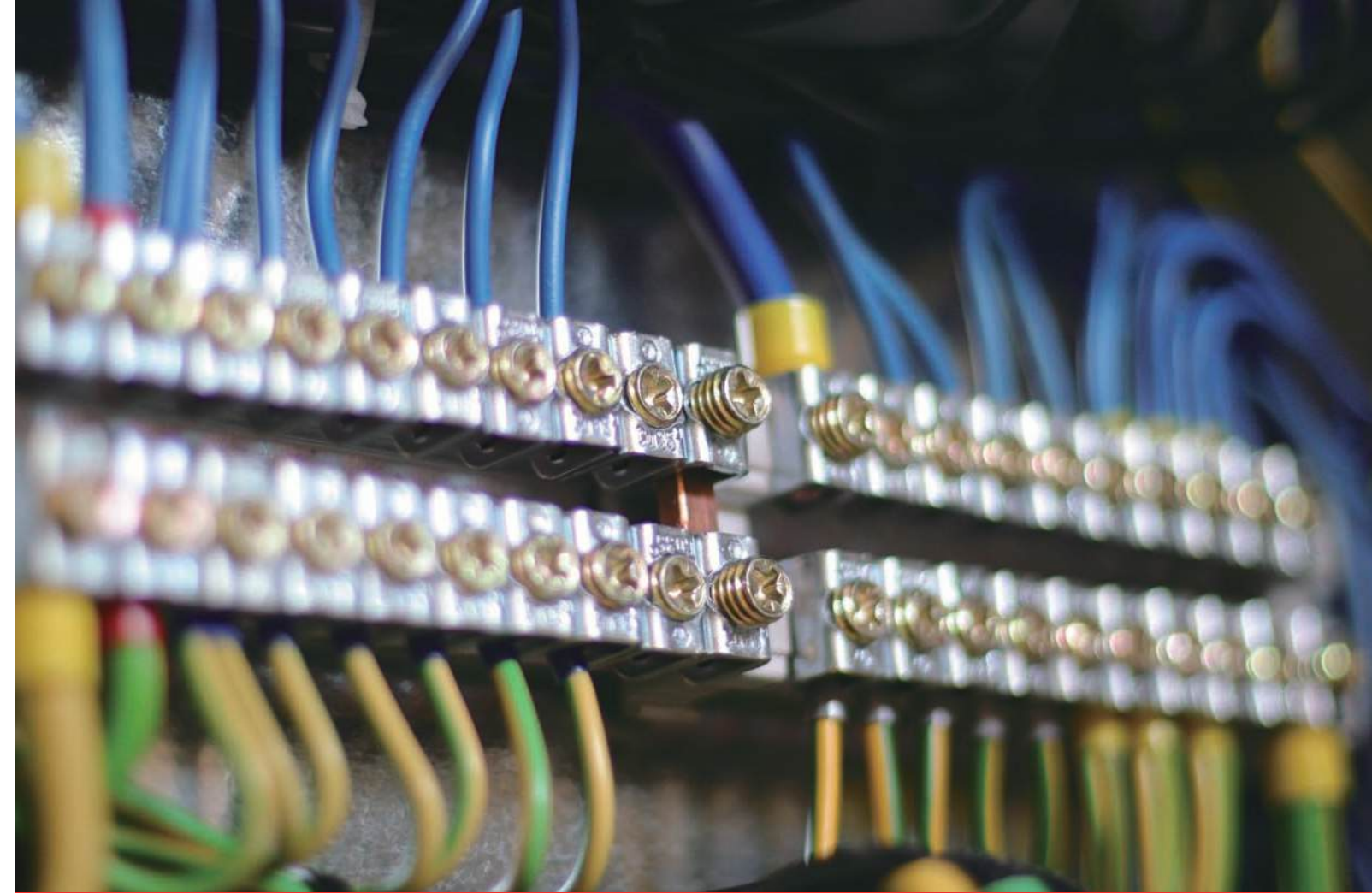
HEAT SINK ACCESSORY for SSR

	Model	Note
	HS-KS	For HS-060 & HS-070 series
	HS-KL	For HS-081 series
	Radiator fan (220/240 VAC)	For HS-081 series

MEMO



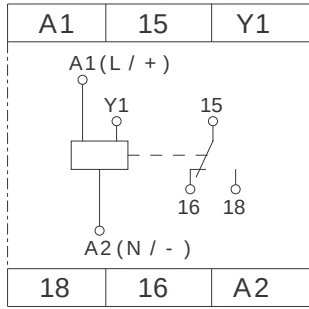
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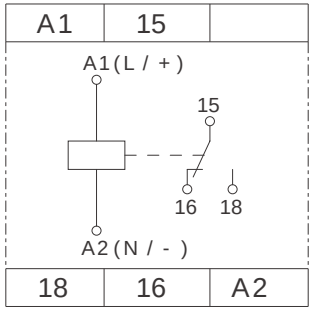
TERMINAL ARRANGEMENT

H3D-M / H3D-S

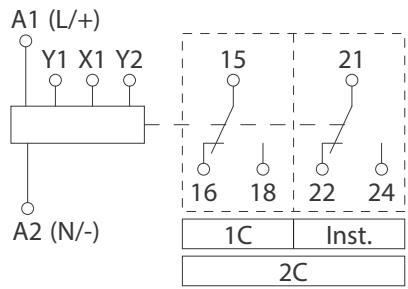
H3D-M



H3D-S

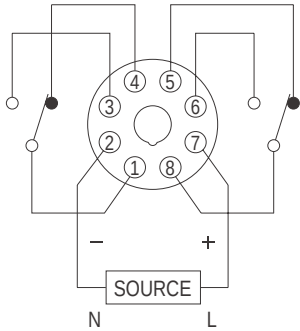


ET2-31

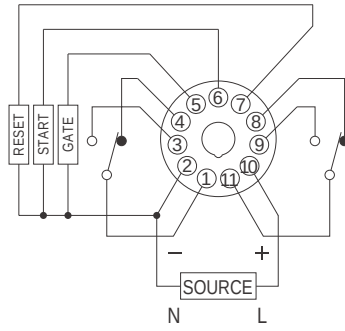


H3C-R□

H3C-R

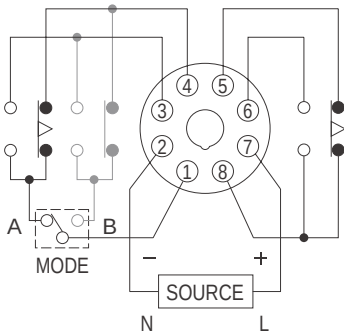


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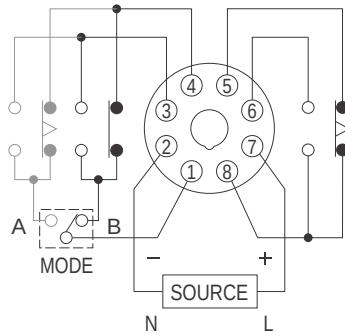


AH5N

Mode A

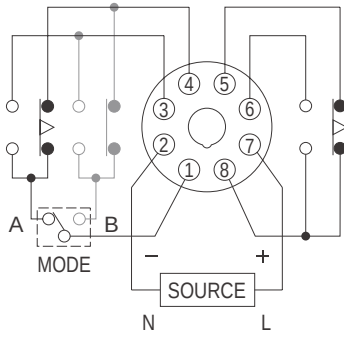


Mode B

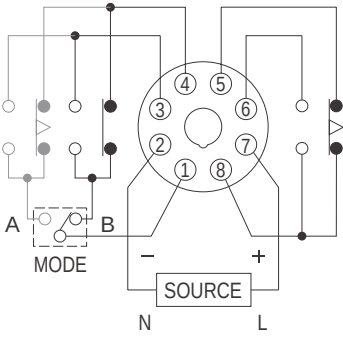


H3B-R□ / H3B-□

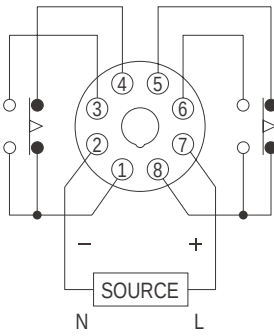
Mode A



Mode B

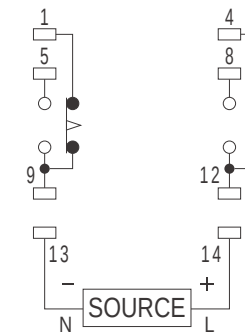


AH5C

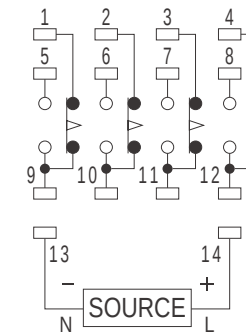


AMY-N□ / AMY-□

AMY-N2/ -2

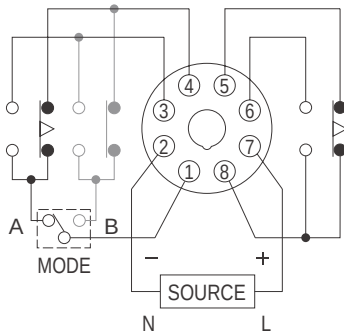


AMY-N4/ -4

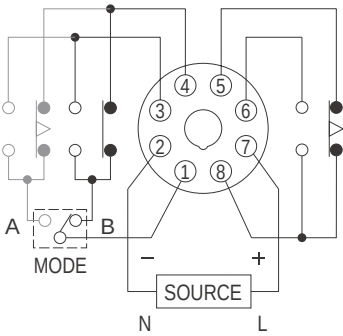


AH3-R□

Mode A



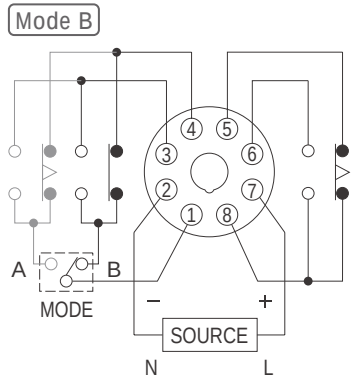
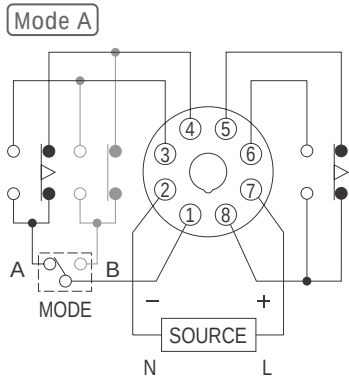
Mode B





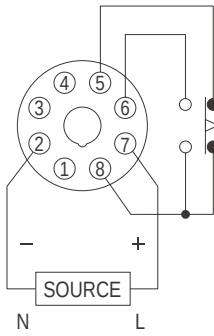
TERMINAL ARRANGEMENT

AH3-N□

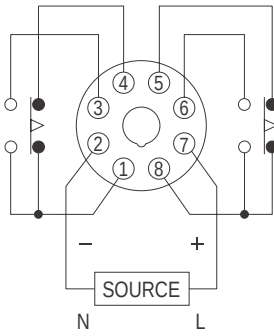


AH3-□

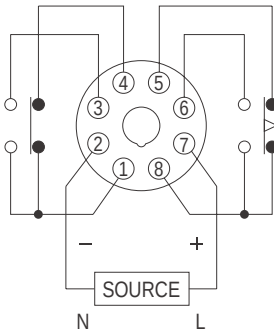
AH3-1



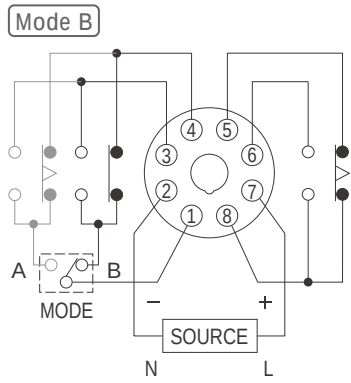
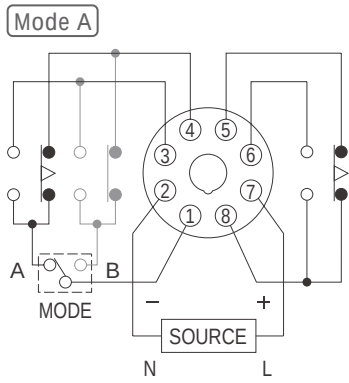
AH3-2



AH3-3

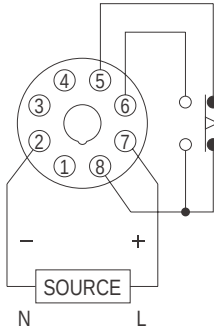


AH2-□□

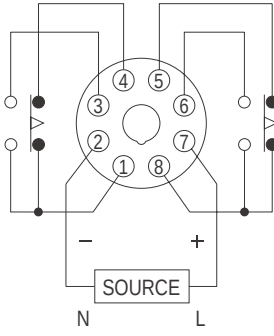


ASTP-□□

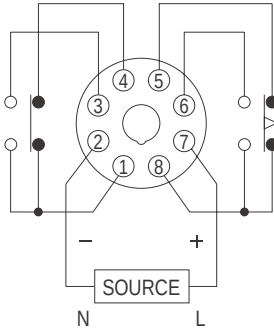
ASTP-N1/ -Y1



ASTP-N2/ -Y2

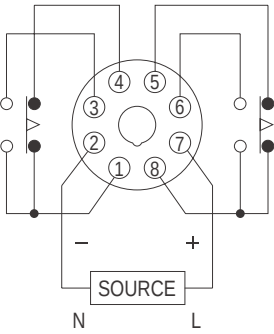


ASTP-N/ -Y

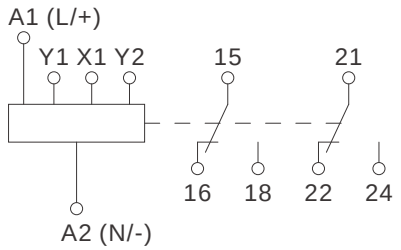


TERMINAL ARRANGEMENT

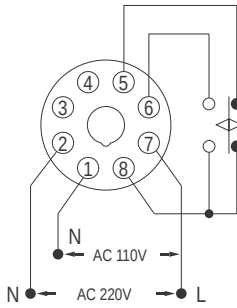
AH3G-□



ET2-41

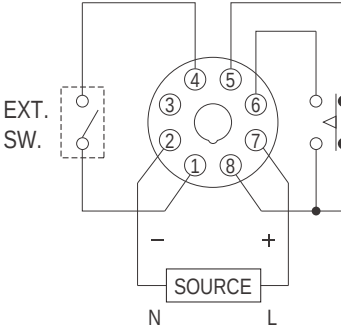


ATDV-□□

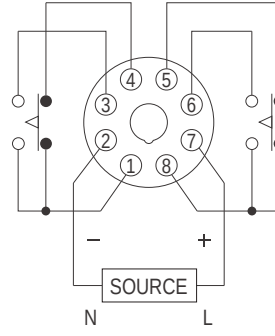


AH5F-□

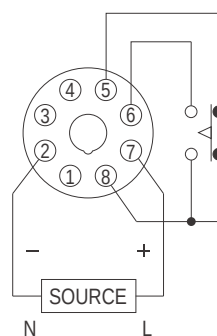
AH5F



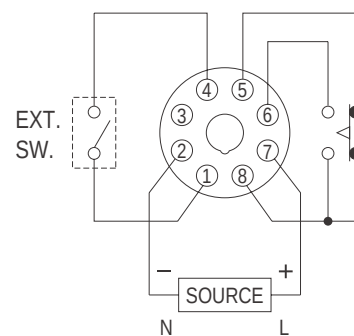
AH5F-2



ATS

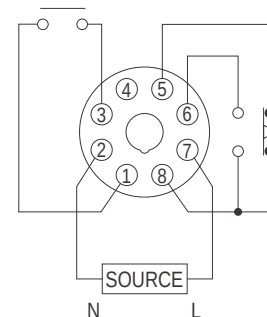


ATF-□F

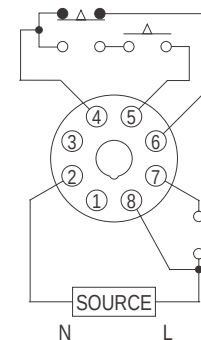


TRD-N□ / TRD-ND□

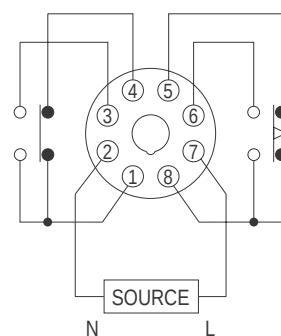
TRD-N/ -ND



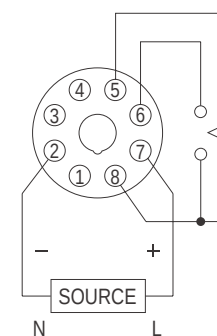
TRD-NT/ -NDT



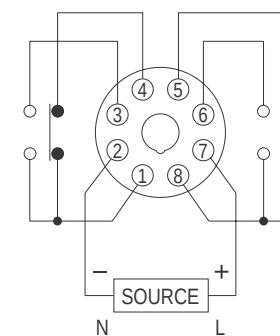
ARD



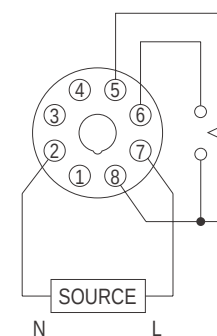
AFK / TFK



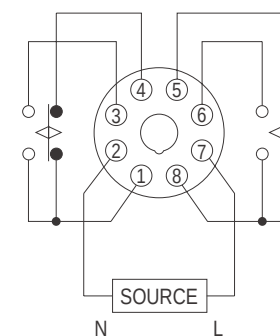
TWB-N / TWB-ND



TDF



ATDE

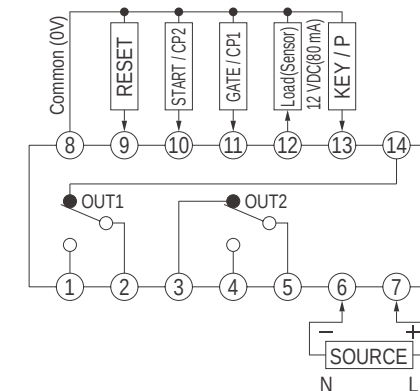




The diagram shows a two-port network. The input port (left) is connected to a rectangular block labeled "LOAD". The output port (right) is connected to a rounded rectangular block labeled "SOURCE". The input port is labeled with a circled "1" and the letter "L" below it. The output port is labeled with a circled "2" and the letter "N" below it. A third circled "3" and the letter "L" are shown to the right of the "SOURCE" block, indicating a load connected to the output of the source.

The diagram shows a circuit with a rectangular box labeled "LOAD" at the top. Below it, a switch is represented by a horizontal line with a semi-circular arc above it. The switch is connected to a source labeled "SOURCE" in an oval. The source is connected to two terminals labeled "L" and "N". The "LOAD" box is connected to the "L" terminal and the "N" terminal. The switch is connected to the "L" terminal and the "SOURCE" oval.

TERMINAL ARRANGEMENT



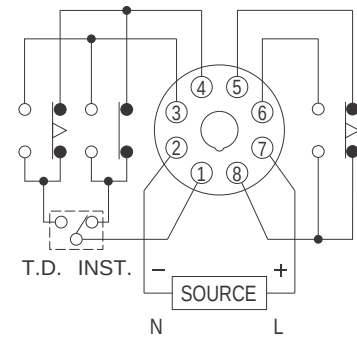


TERMINAL ARRANGEMENT

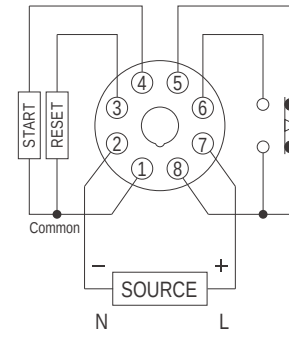
H5CLR-□□

Note: NPN type => Common = 0V, PNP type => Common = +V. (whether can choose NPN type from PNP type by setting up parameter)

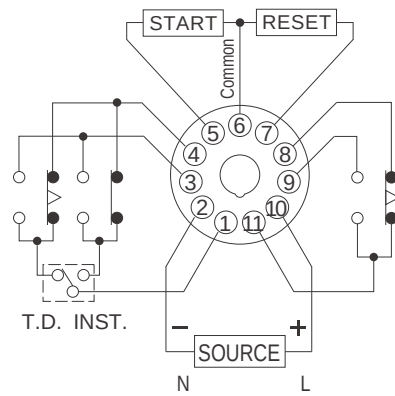
H5CLR-8



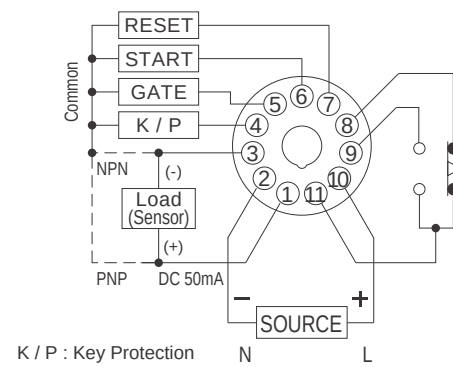
H5CLR-8G



H5CLR-11

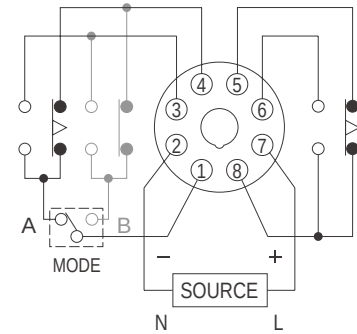


H5CLR-11M

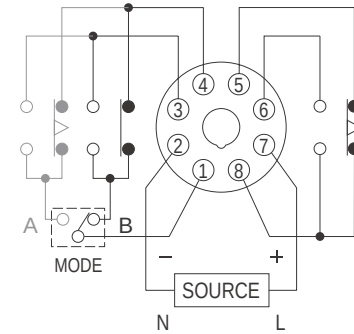


AH5CN-R□ / AH5CN-□

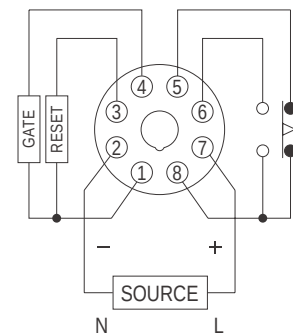
AH5CN/ AH5CN-R Mode A



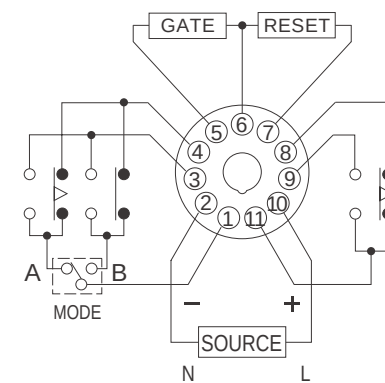
AH5CN/ AH5CN-R Mode B



AH5CN-G/ -RG



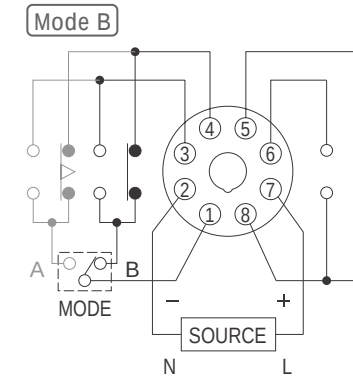
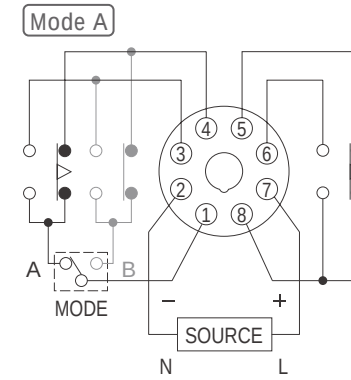
AH5CN-11/ -R11



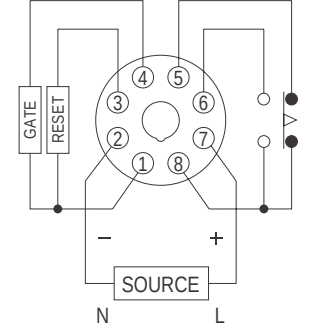
TERMINAL ARRANGEMENT



AH4CN-R□

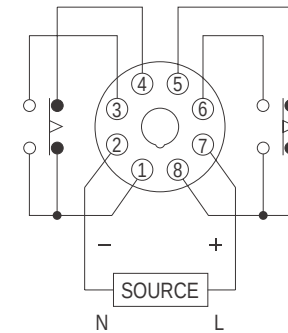


AH4CN-RG

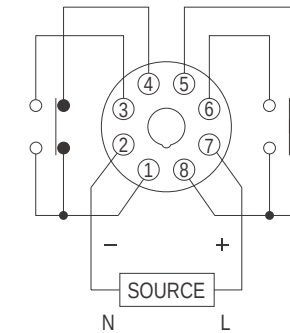


AH5E-4D□

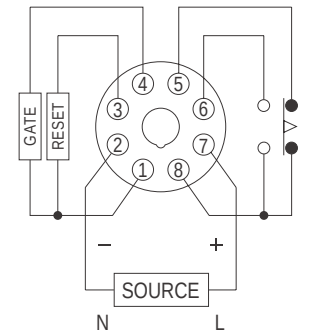
AH5E-4D



AH5E-4DA

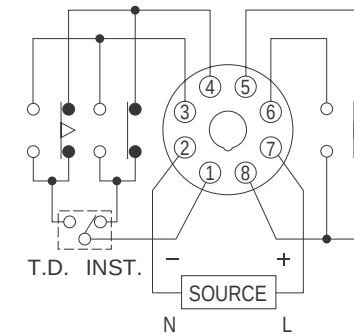


AH5E-4DG

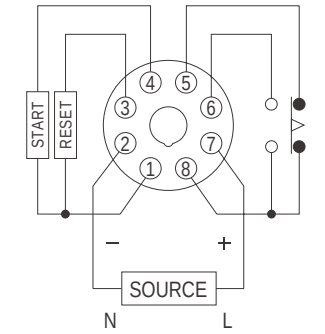


ASY-4DR□□

ASY-4DRN/ -4DRY

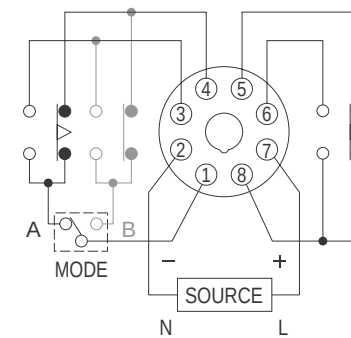


ASY-4DRGN/ -4DRGY

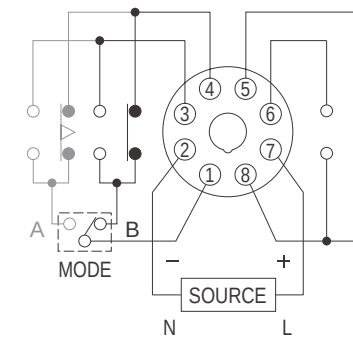


ASY-□□□ / ASY-3D□

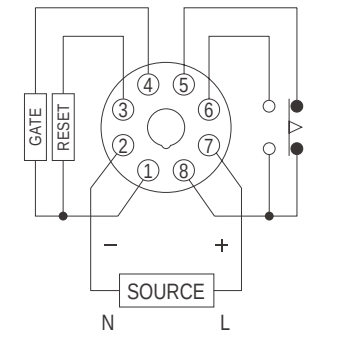
ASY-3D or Mode A



ASY-3DA or Mode B



ASY-3DG/ -3SMG/ -3MHG

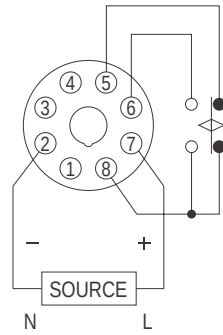




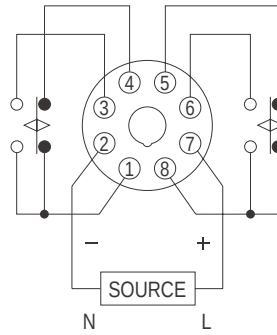
TERMINAL ARRANGEMENT

ACT-□□

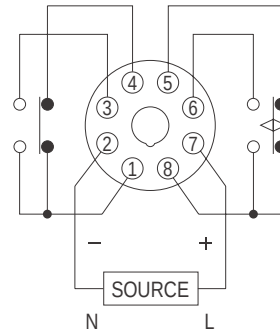
ACT-N/-Y/-NS/-YS



ACT-N2/-Y2/-ND/-YD



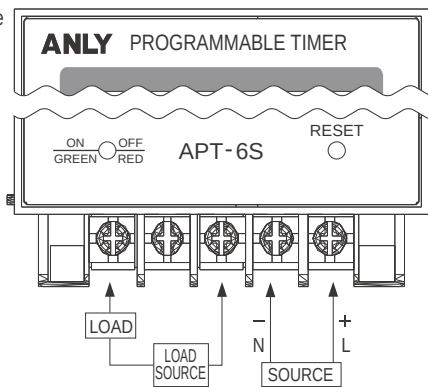
ACT-N3/-Y3/-NT/-YT



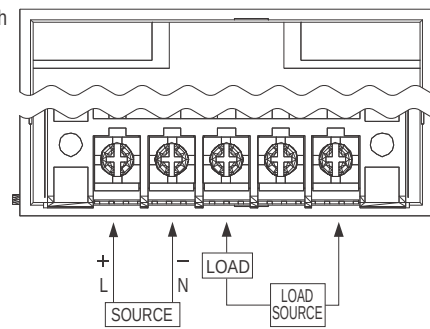
APT-6S□ / APT-8S / APT-9S

When a time switch and load power supply are separate :

N type(Surface Mounting)

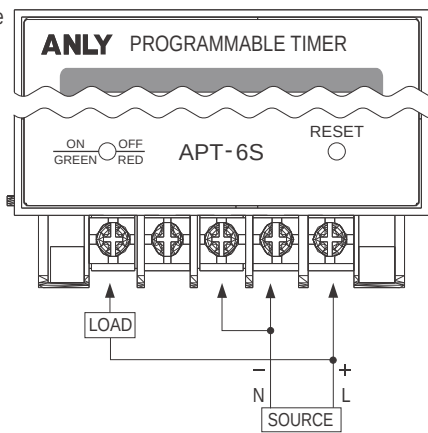


Y type(Flush Mounting)

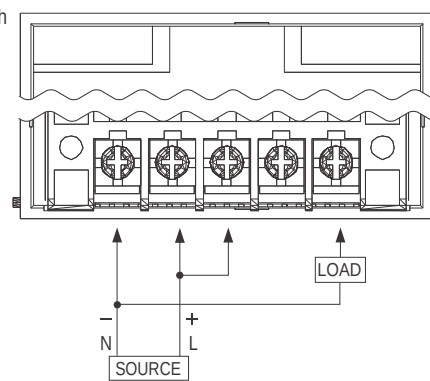


When a time switch and load power supply are the same :

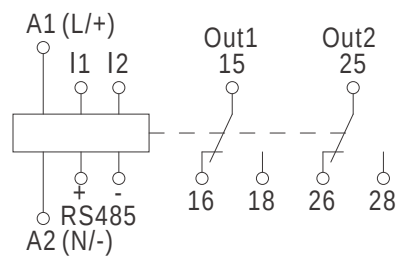
N type(Surface Mounting)



Y type(Flush Mounting)



ET7-1



A1, A2 : Input Power Source AC/DC 100~240V
I1, I2 : Input Signal AC/DC 100~240V
RS485 +, RS485- : Communication Interface
15,16,18: Out1
25,26,28: Out2

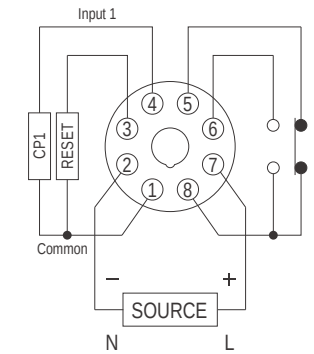


TERMINAL ARRANGEMENT

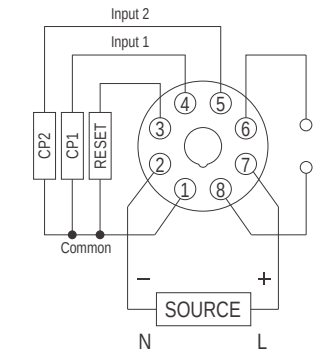
H5KLR-□□

Note: NPN type => Common = 0V, PNP type => Common = +V. (whether can choose NPN type from PNP type by setting up parameter)

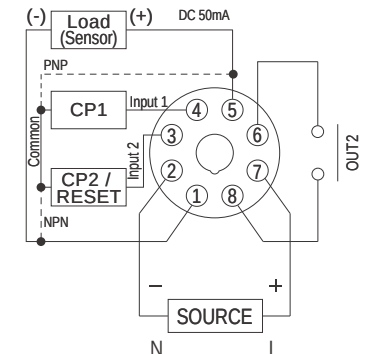
H5KLR-8



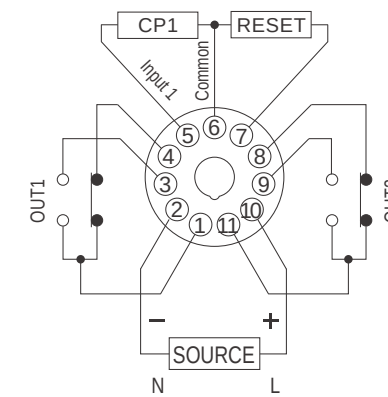
H5KLR-8B



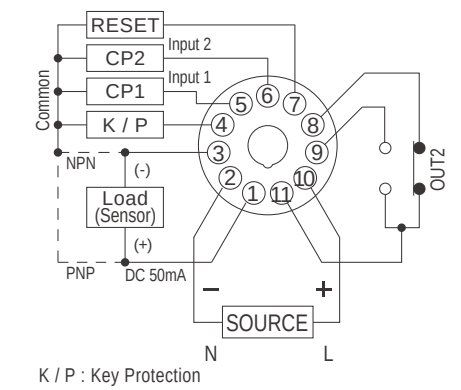
H5KLR-8M



H5KLR-11



H5KLR-11M

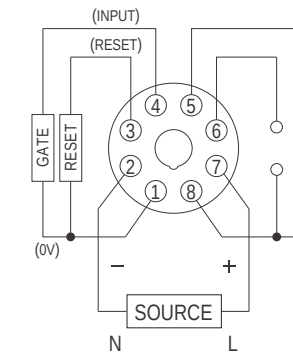


K / P : Key Protection

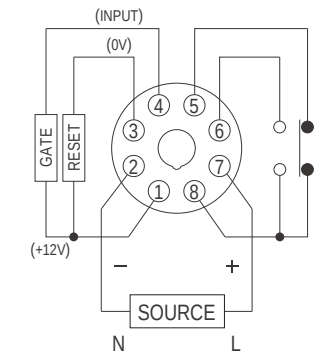
AH5CK-□□ / AH5K-4D□ / AH5K-C□

Note: AH5K, AH5K-C: When using Proximity(Type PNP) or photoelectric switch, connect (+) to pin (1), (-) to pin (3) and (OUT) to pin (4)
AH5CK: When using Proximity(Type NPN) or photoelectric switch, connect (+) to external 12VDC, (-) to pin (1) and (OUT) to pin (4)
AH5CK-11: When using Proximity(Type NPN) or photoelectric switch, connect (+) to external 12VDC, (-) to pin (6) and (OUT) to pin (5)

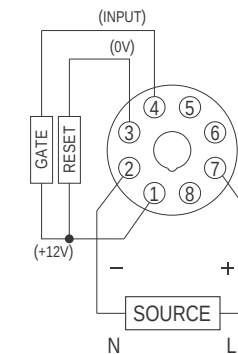
AH5CK



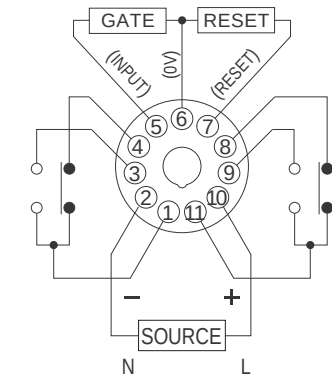
AH5K



AH5K-C



AH5CK-11

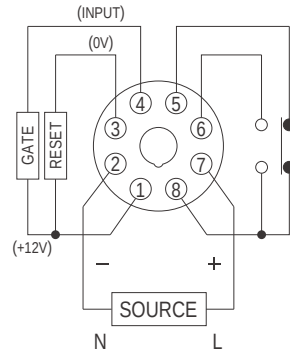




TERMINAL ARRANGEMENT

ASK-3D / ACK

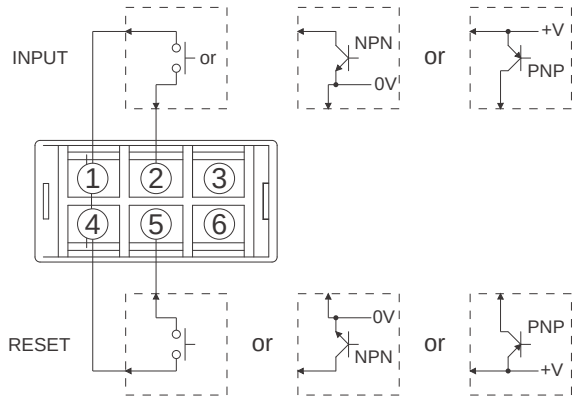
Note: When it using with Proximity or photoelectric switch, connect (+) to pin(1),(-) to pin(3), (OUT) to pin(4)



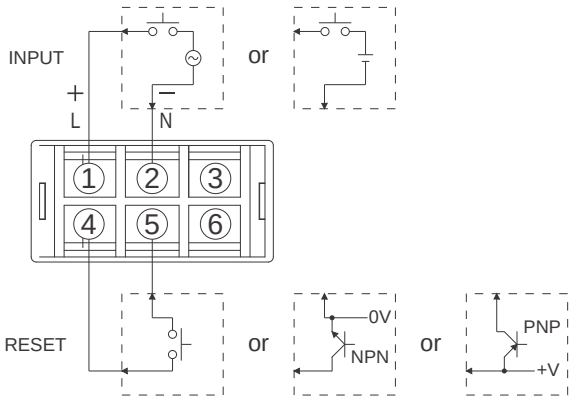
H7E-C- / H7E-T- / H7E-M- / H7E-TM-

Note: Transistor Input(Open collector of an NPN / PNP Transistor)

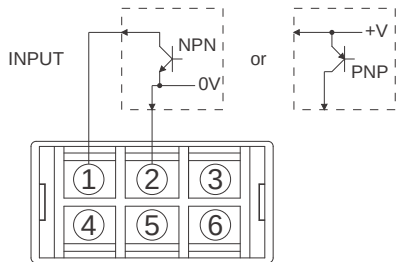
H7E-C/ -T



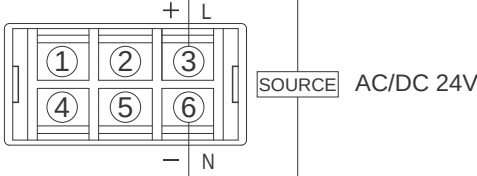
H7E-C-M/ -TM



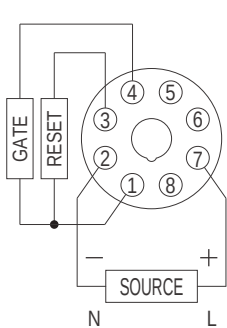
H7E-R



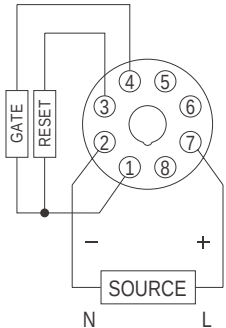
Backlight



AH5E-C

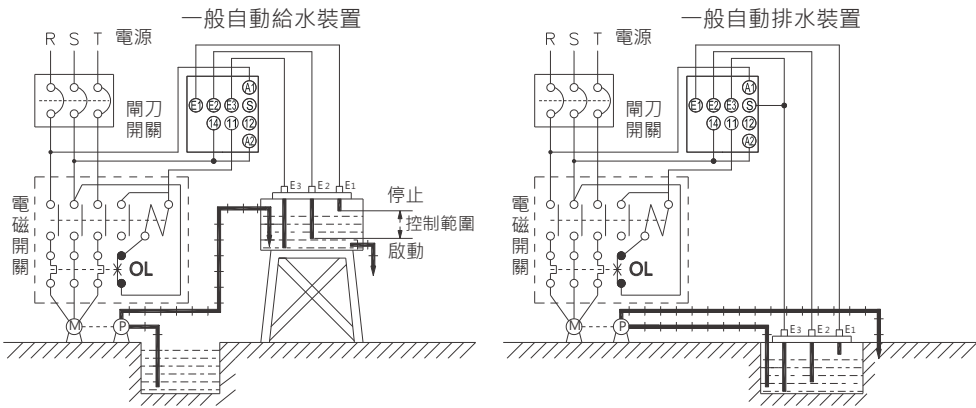


ASY-C



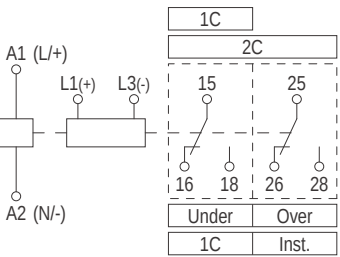
TERMINAL ARRANGEMENT

EL2-1

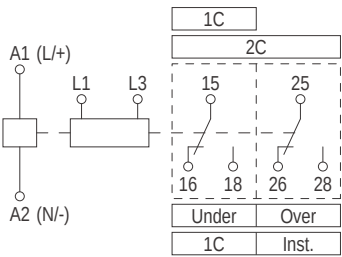


EP4-1

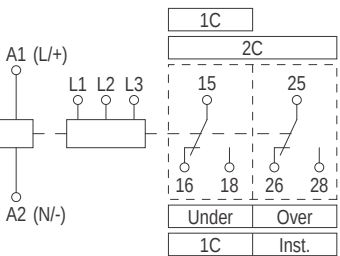
DC Type -11



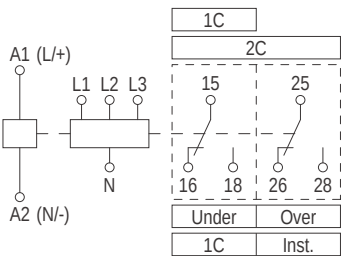
Single Phase -12



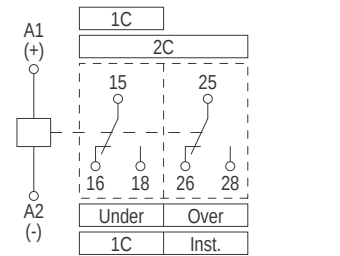
L-L(3 Phase 3 Wire) -13



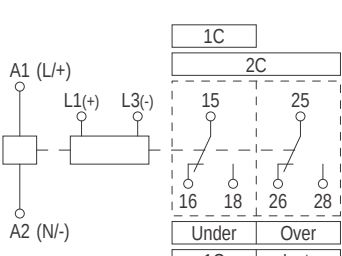
L-N(3 Phase 4 Wire) -14



DC Type 8~60V -11



DC Type 50~200V -11

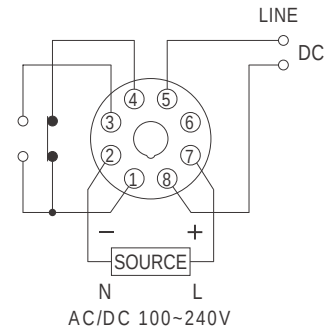




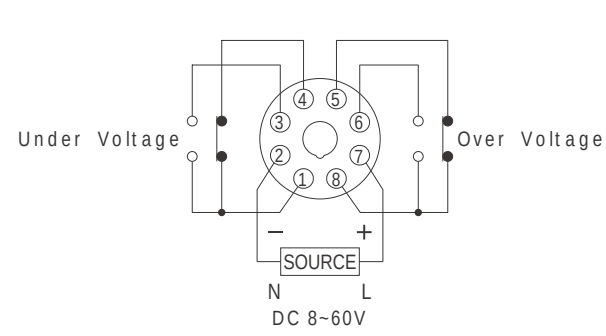
TERMINAL ARRANGEMENT

AEVR-□□D / AEVR-□□D

AEVR-NPD/ -YPD/ -NLD/ -YLD

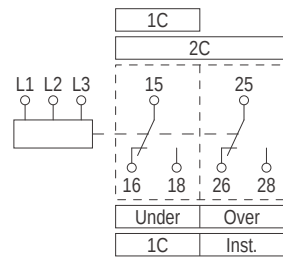


AEVR-ND/ -YD

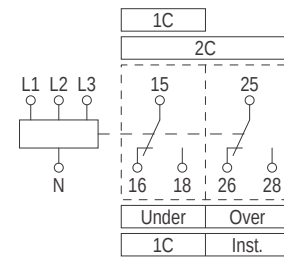


EP4-2

L-L(3 Phase 3 Wire)

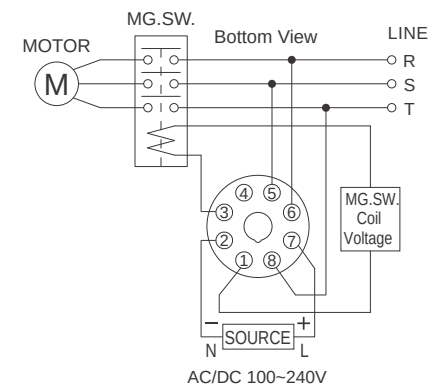


L-N(3 Phase 4 Wire)

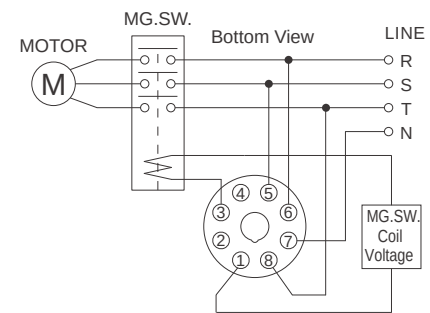


AEVR-□□□□

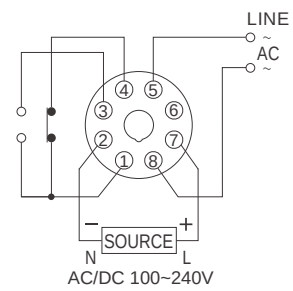
L-L(3 Phase 3 Wire) :
AEVR-NP/ -YP/ -NL/ -YL/ -NH/ -YH



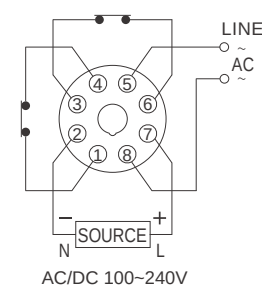
L-N(3 Phase 4 Wire) :
AEVR-N4/ -Y4



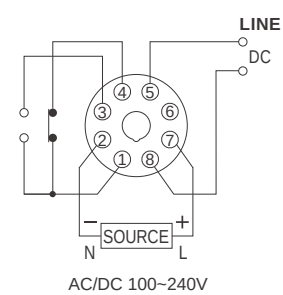
Single Phase :
AEVR-NPS/ -YPS/ -NLS/ -YLS/ -NHS/ -YHS



AEVR-NPSB/ -YPSB/ -NLSB/ -YLSB/ -NHSB/ -YHSB



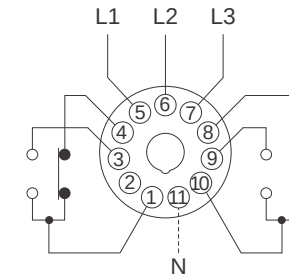
DC voltage :
AEVR-NPD/ -YPD/ -NLD/ -YLD



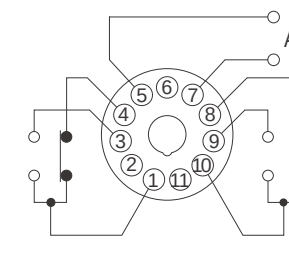
TERMINAL ARRANGEMENT

AVR-165-□□ / AVR-172-□□

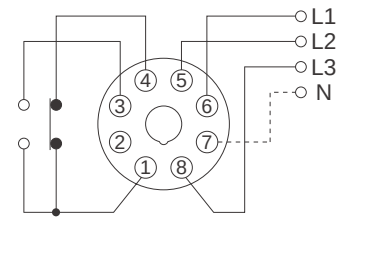
AVR□□□-11T



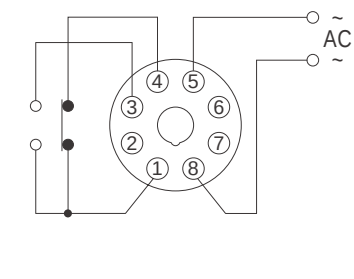
AVR□□□-11S



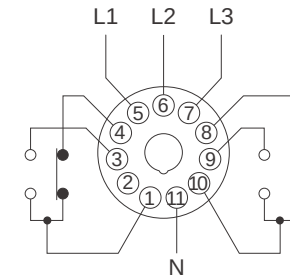
AVR□□□-8T



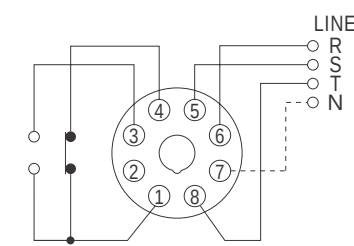
AVR□□□-8S



AVR□□□-11TN

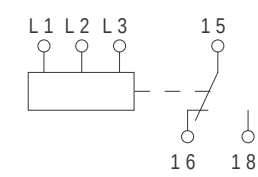


AVM-NK

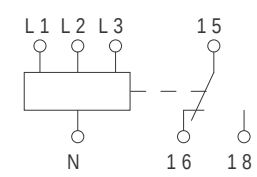


EP2-1□□□

EP2-13□□



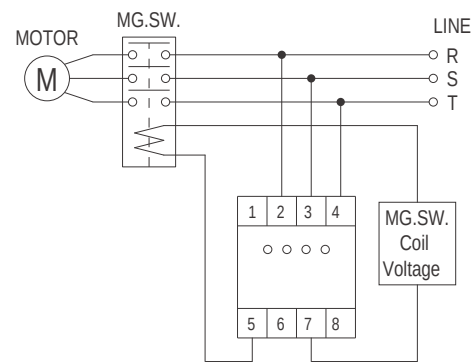
EP2-14□□



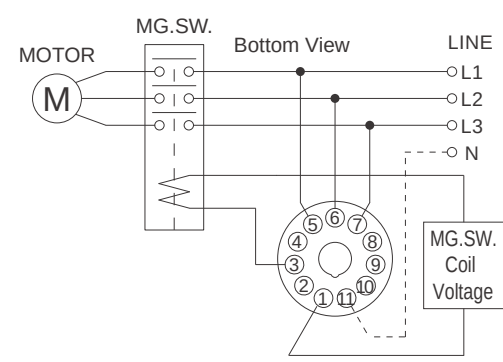


TERMINAL ARRANGEMENT

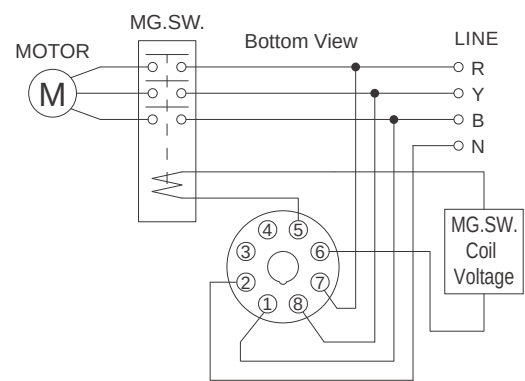
APR-4V-□□□□-□□□□ / APR-4S



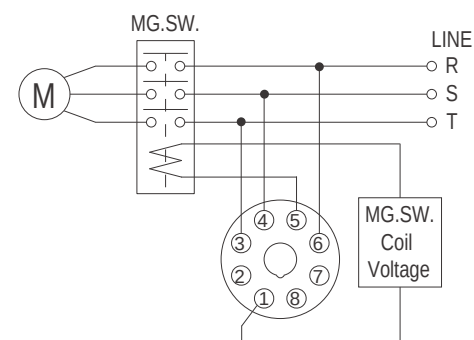
ASM-170



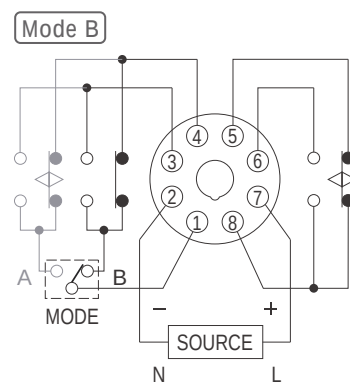
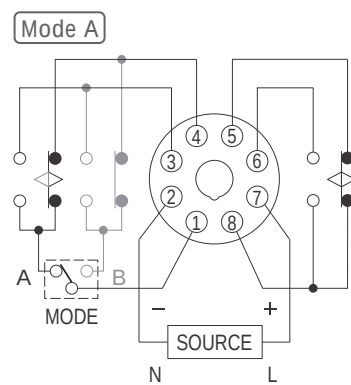
ASV-4



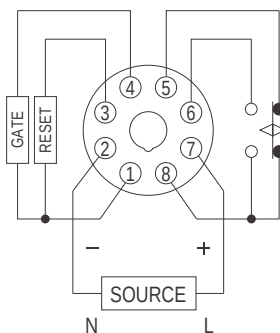
APR-3 / APR-3S



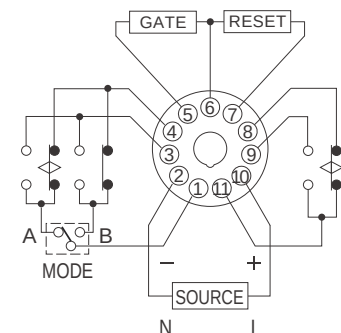
AH5CN-T□



AH5CN-TG



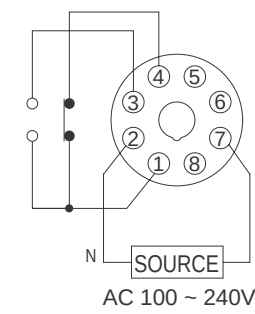
AH5CN-T11



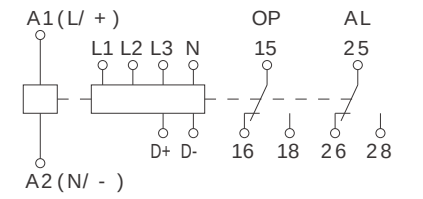
TERMINAL ARRANGEMENT



AEFR-□

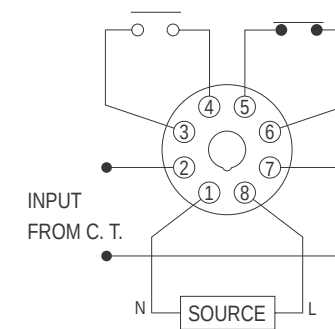


EP4-3

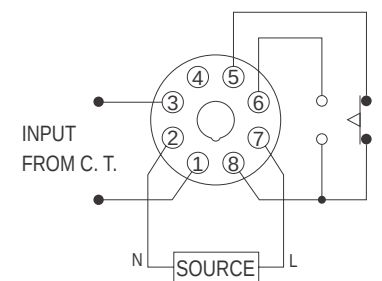


ACR-N□

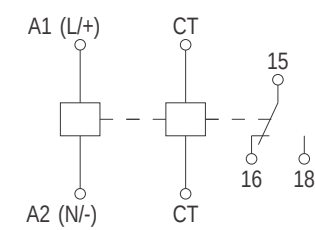
ACR-N



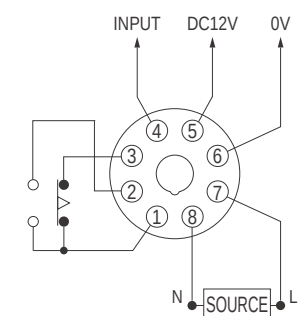
ACR-NT



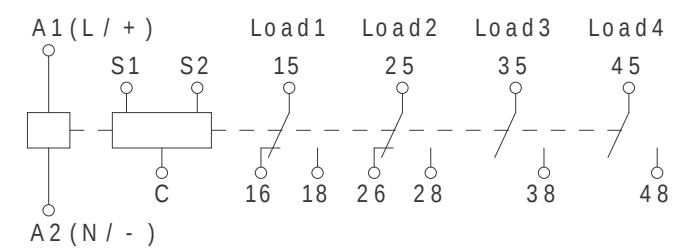
EP2-3



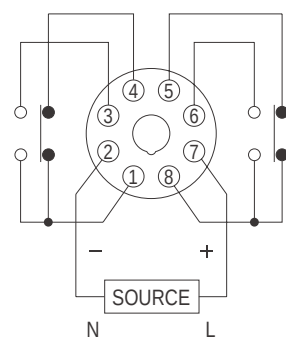
AMD-N



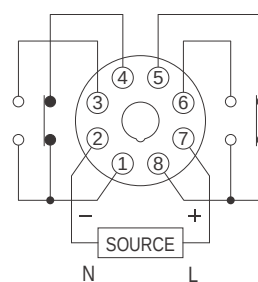
EC4-1



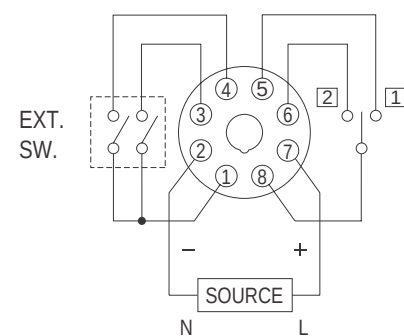
AG4Q-K / AG4Q-S / AG4Q-J



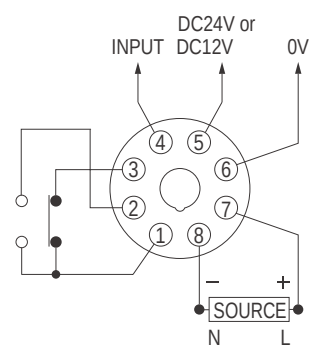
AG4Q-212S



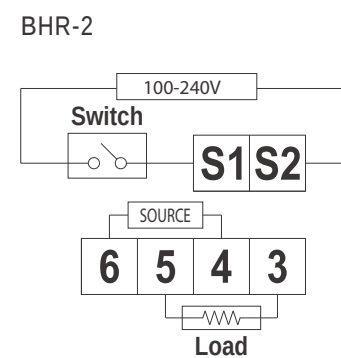
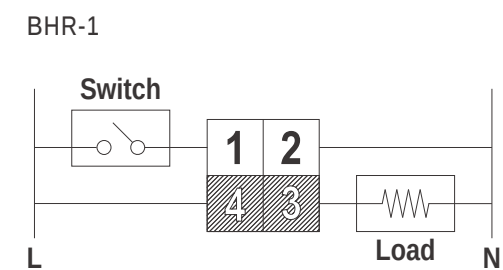
AG4Q-H



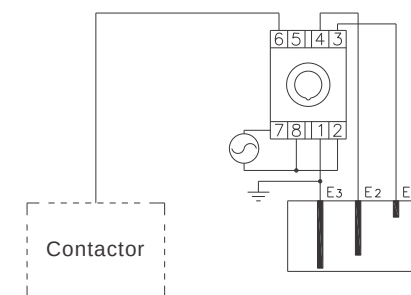
PU-NA / PU-NB / PU-NC- / PU-NE



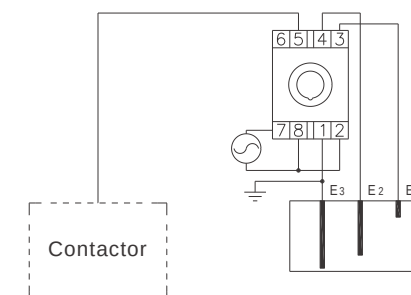
BHR



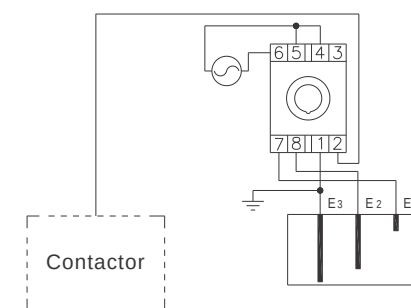
AFR-1



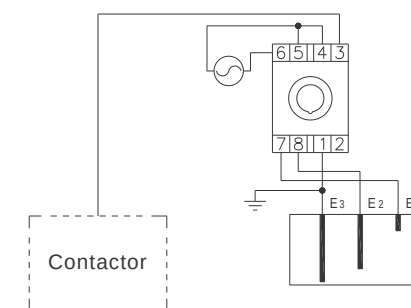
AFS-1



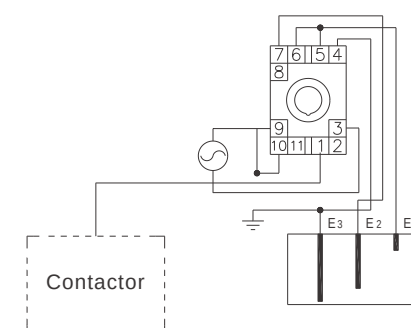
AFR-G



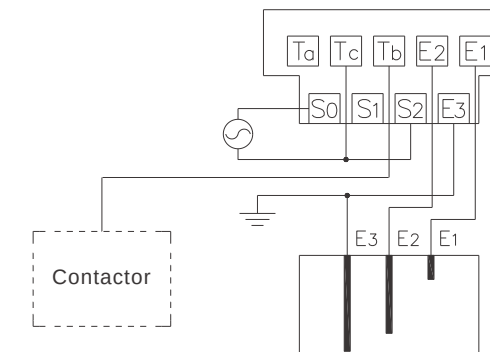
AFS-GR



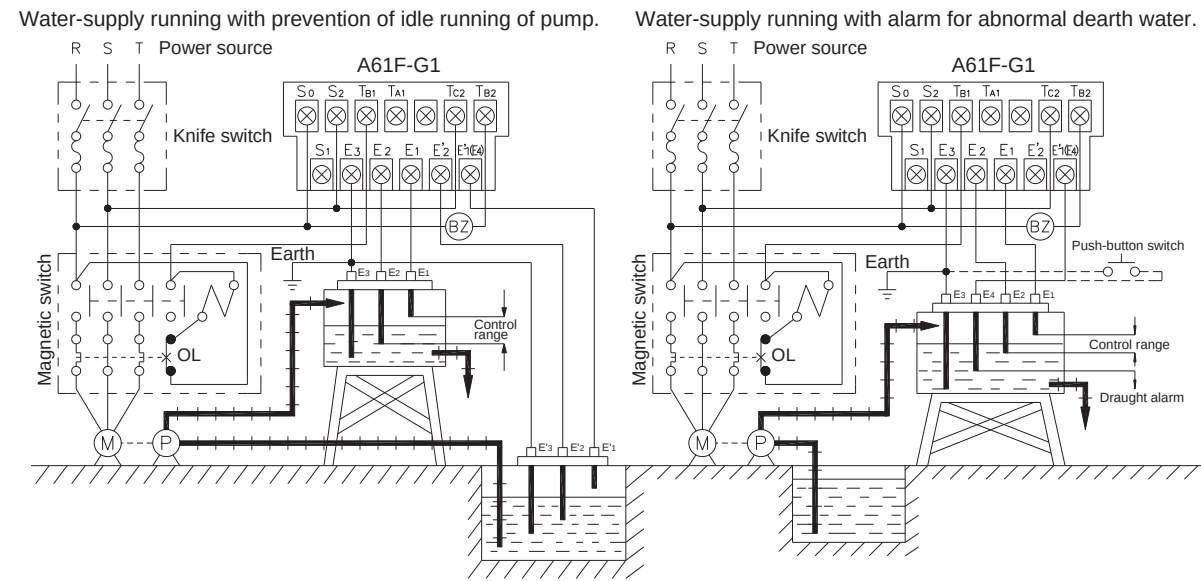
A61F-GP-N



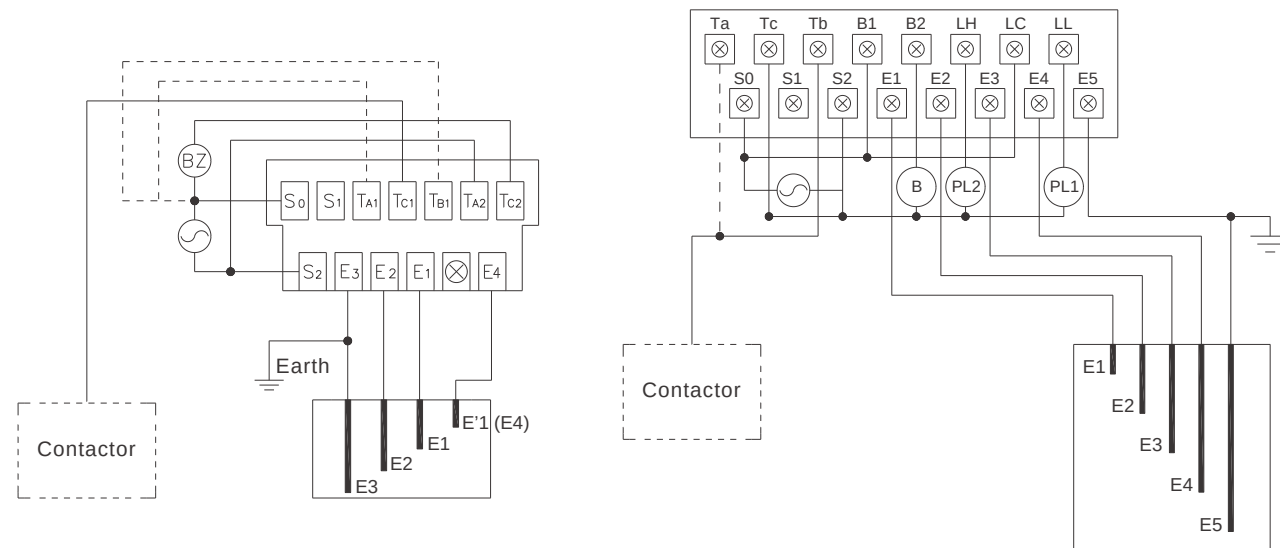
A61F-G



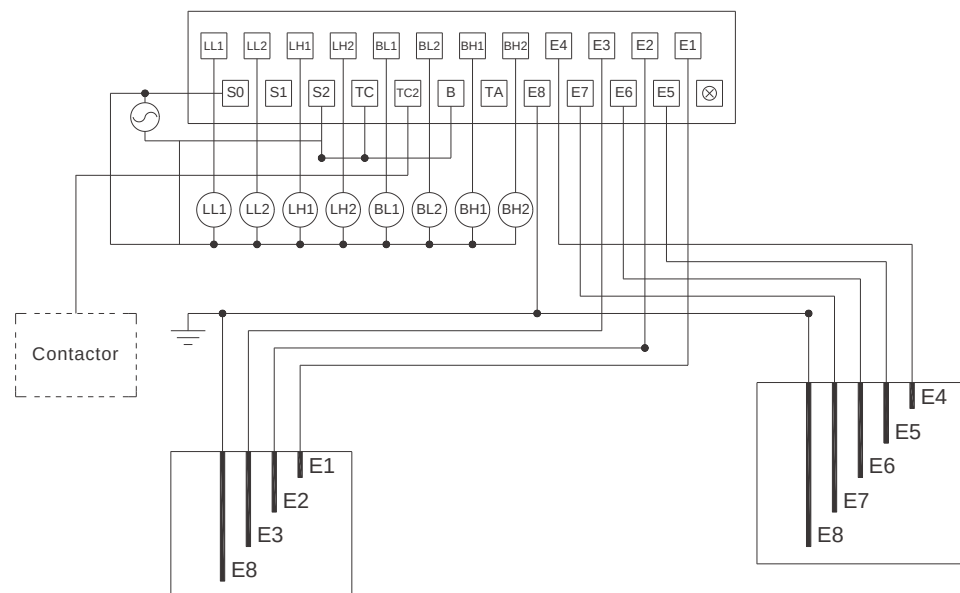
A61F-G1



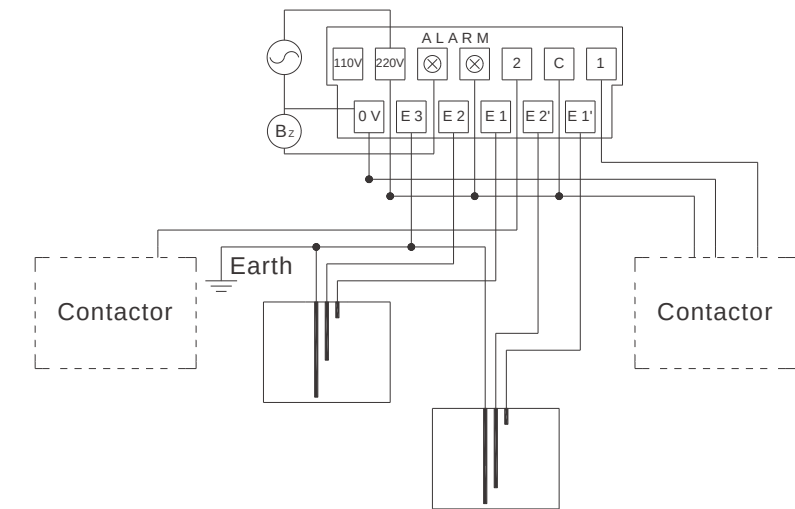
A61F-G2



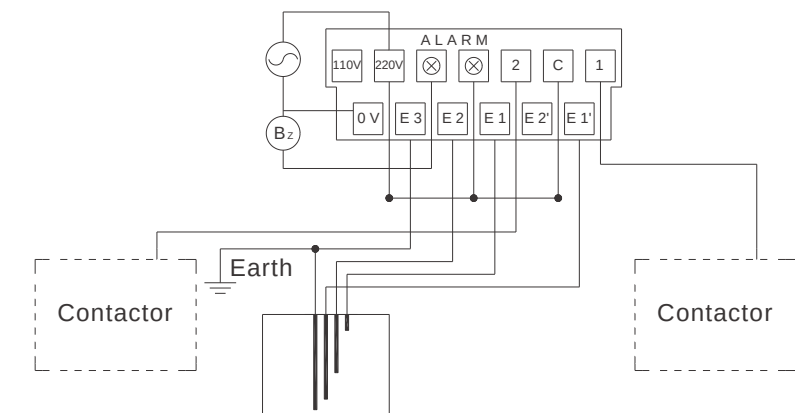
A61F-G4



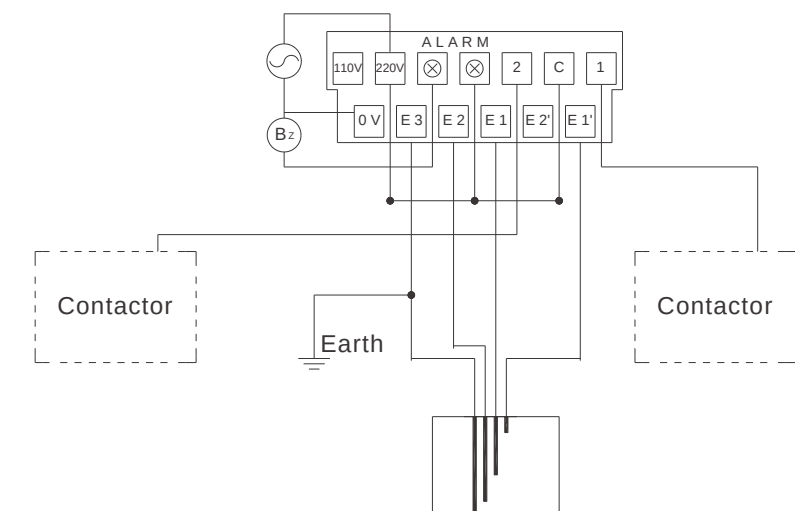
AFG-2



AFG-3



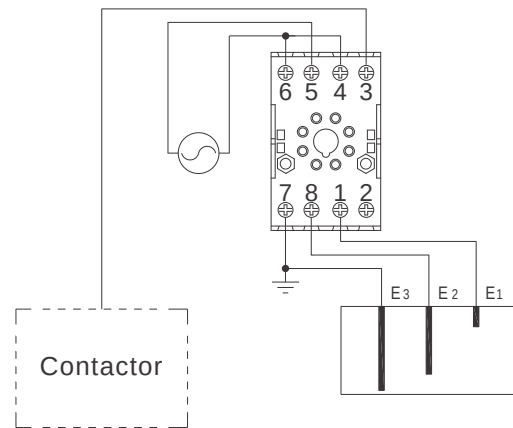
AFG-4



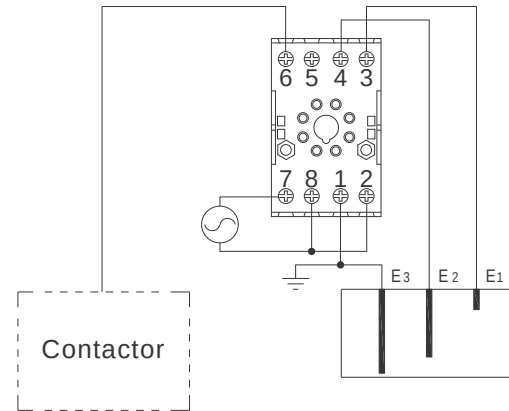


TERMINAL ARRANGEMENT

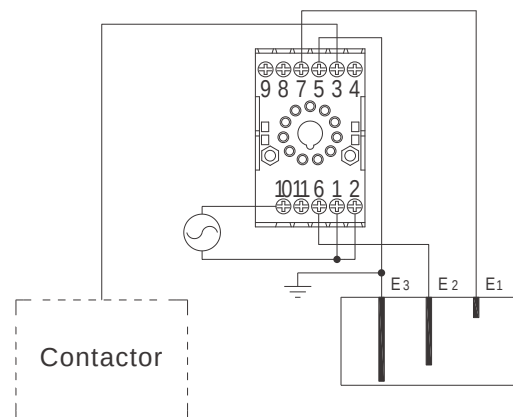
ALN-08



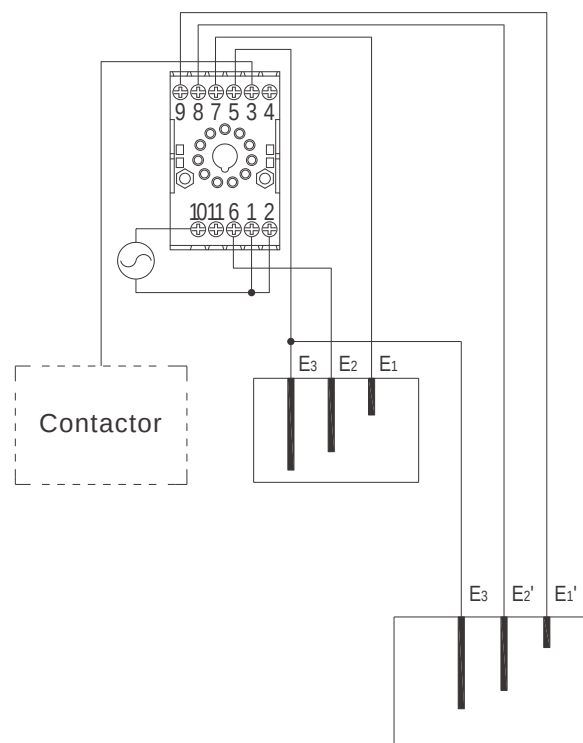
ALN-08A / ALN-08M



ALN-11



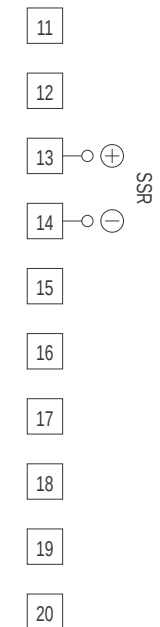
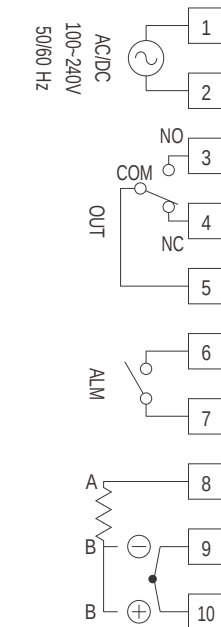
AL2N-11



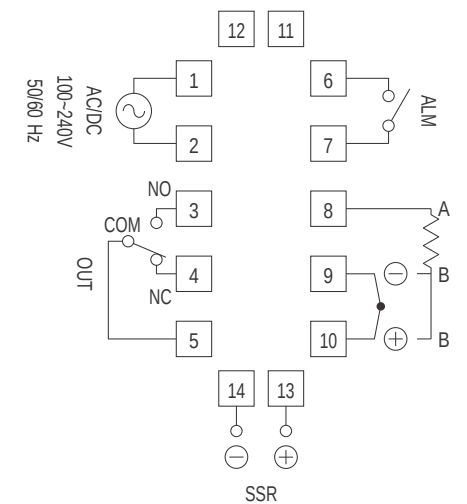
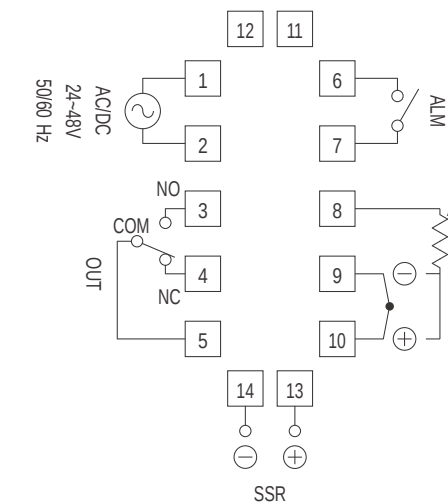
TERMINAL ARRANGEMENT

AT-02

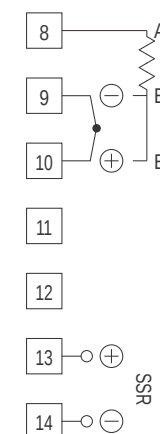
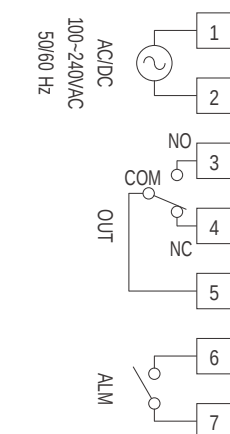
AT-402/ -602/ -902



AT-502

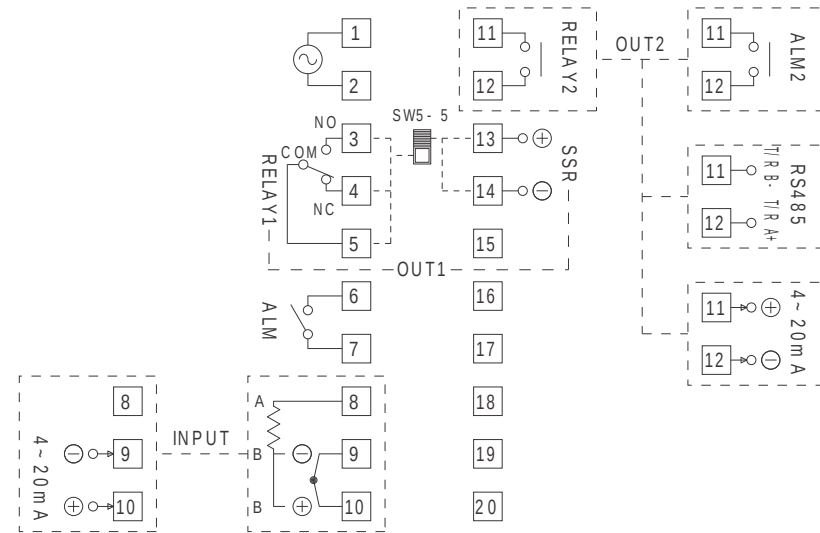


AT-702

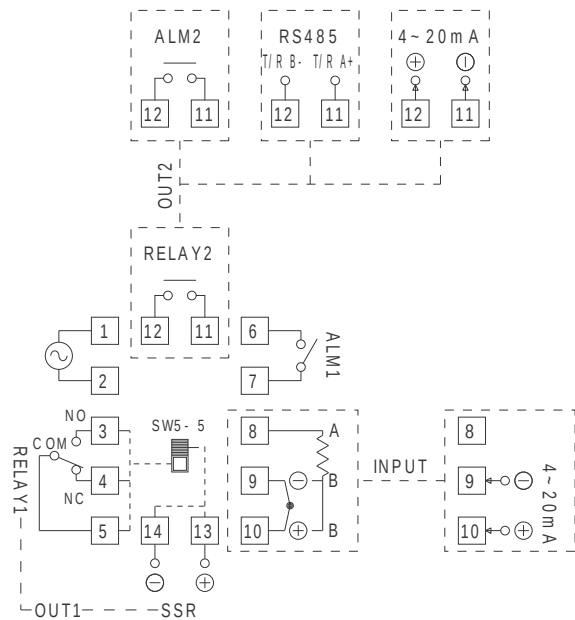




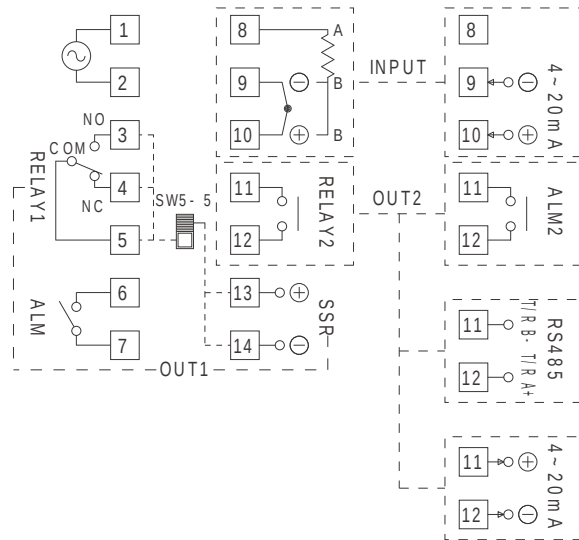
AT-402B/ -602B/ -902B



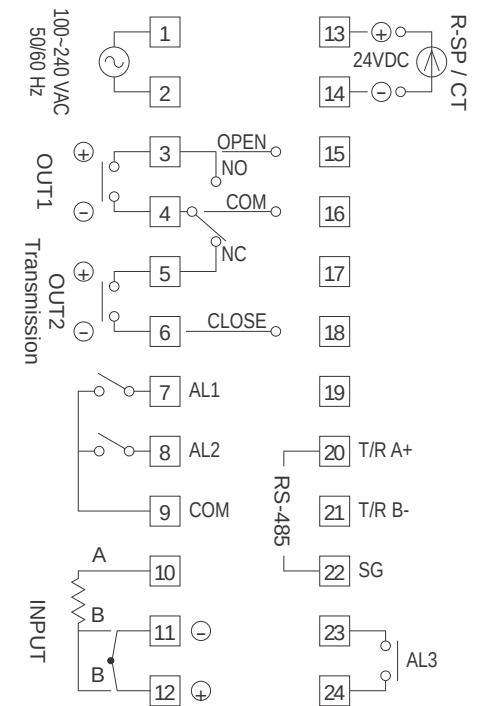
AT-502B



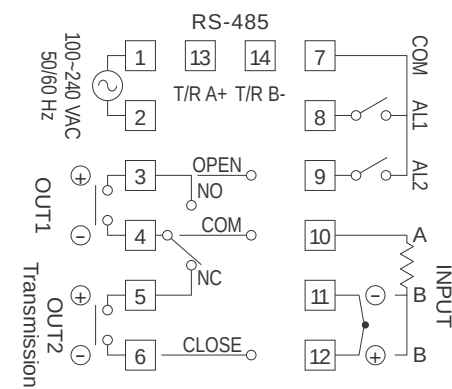
AT-702B



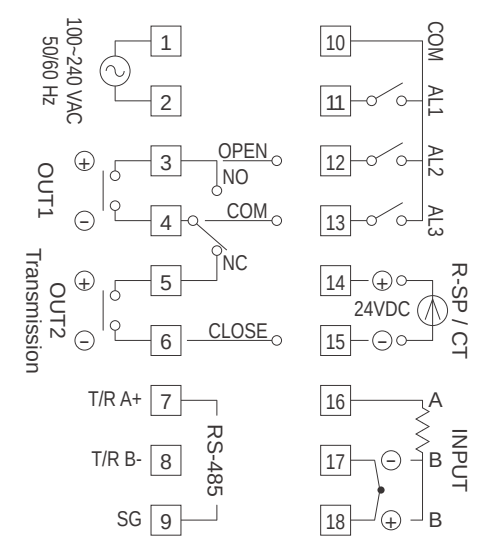
AT-403 / -603 / -903

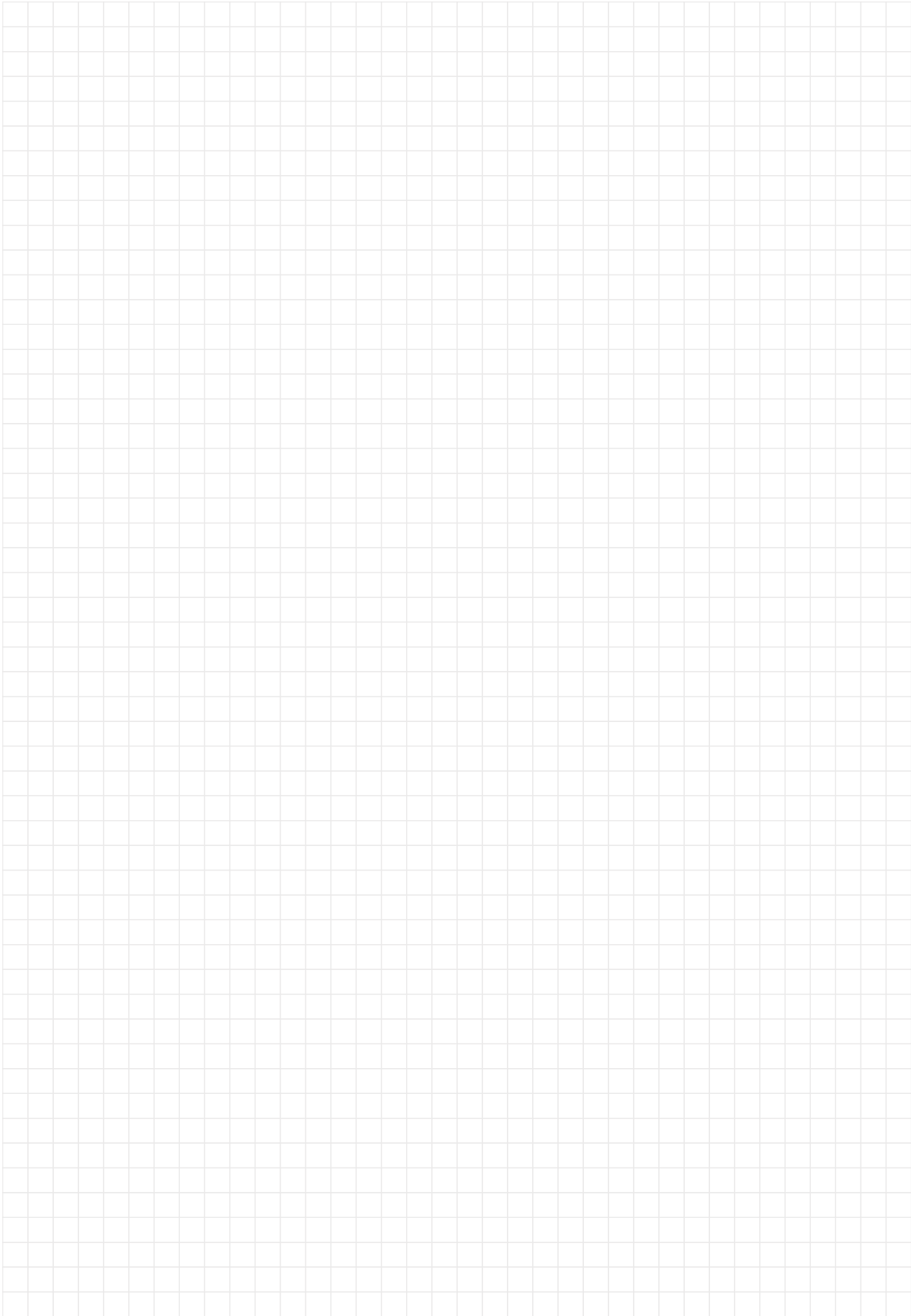


AT-503



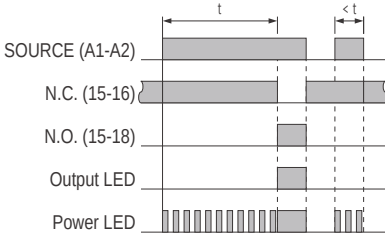
AT-703



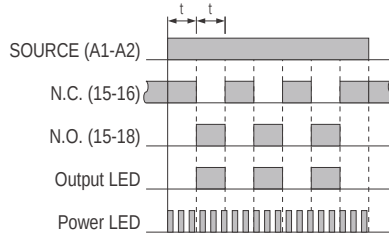


TIMING CHART

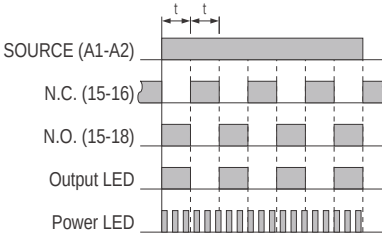
Mode A : On-delay,



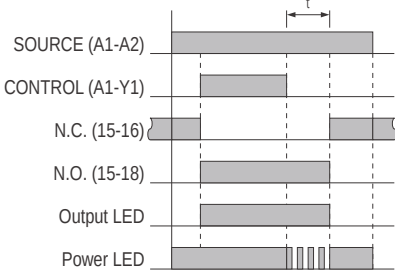
Mode B : Flasher starting with OFF,



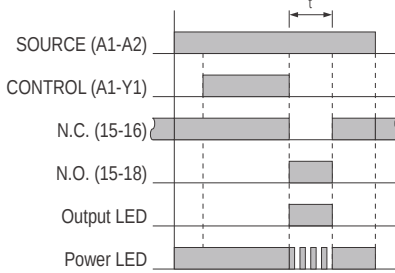
Mode B2 : Flasher starting with ON,



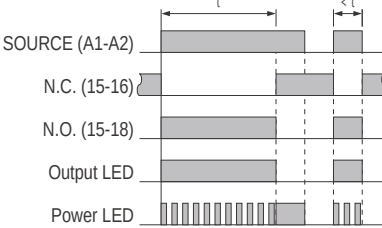
Mode D : Control contact OFF-delay,



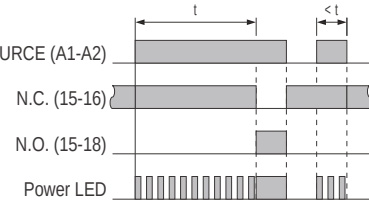
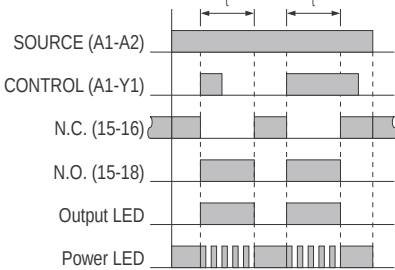
Mode D1 : Trailing edge interval, 1



Mode E : Interval, 1

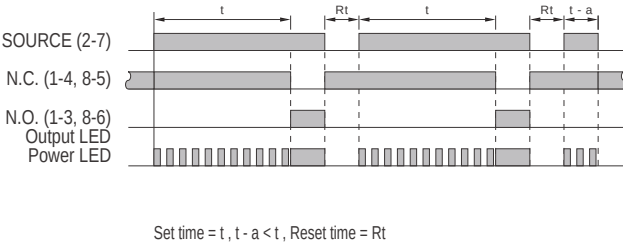


Mode J1: Single shot, 1

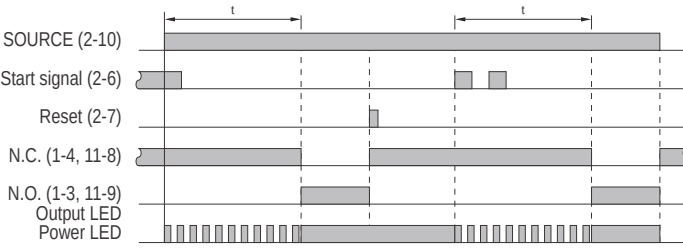


H3C-R

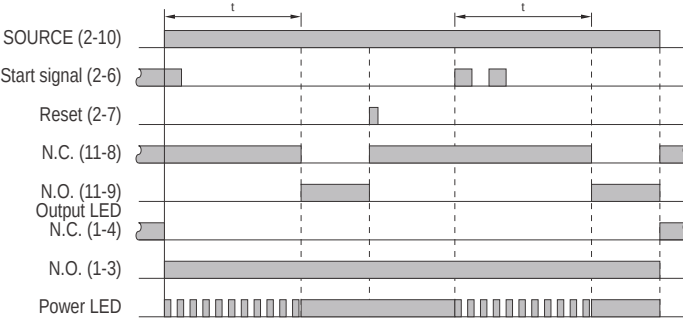
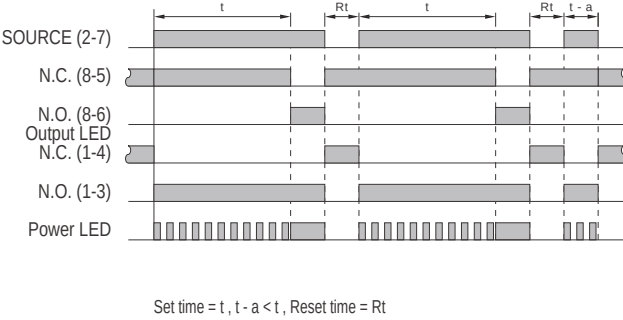
Output mode A : ON delay(2C)



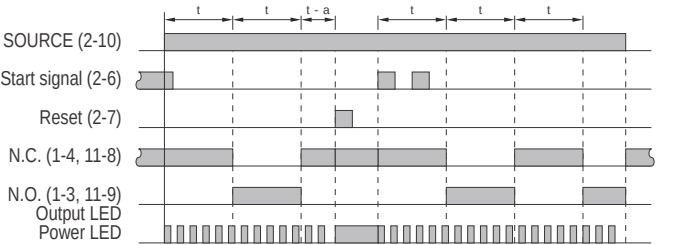
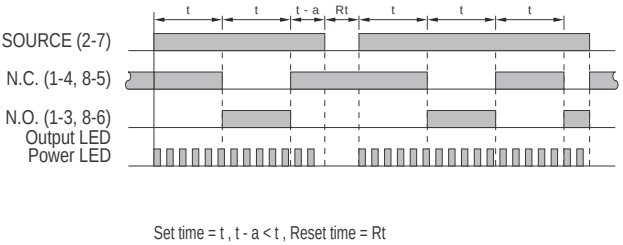
H3C-R11



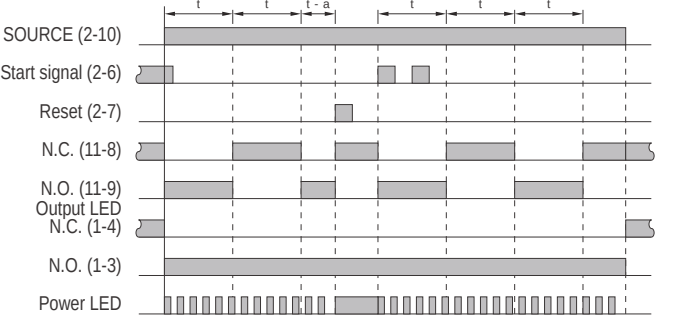
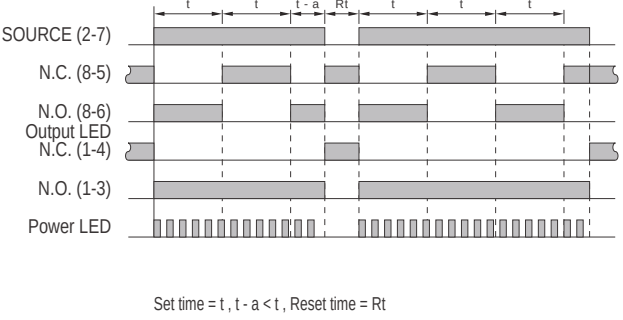
Output mode A4 : ON delay(1A1C)



Output mode B : Repeat cycle OFF start(2C)

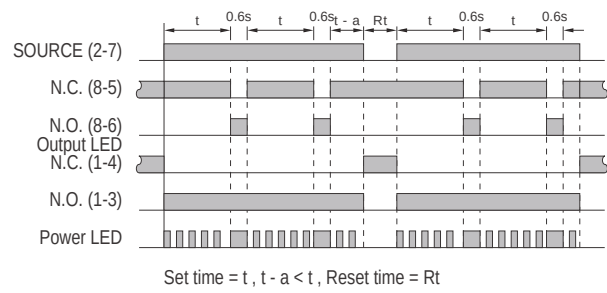


Output mode B3 : Repeat cycle ON start(1A1C)

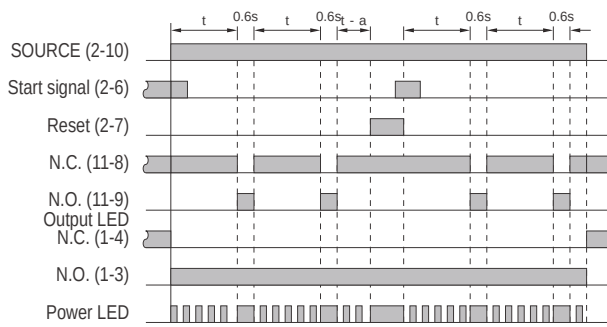


H3C-R

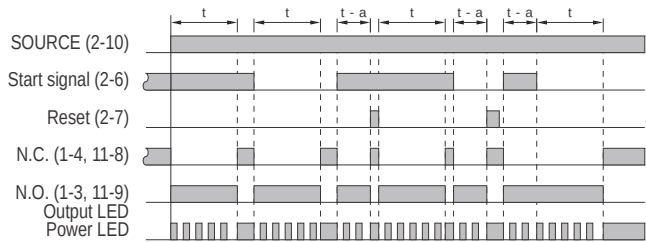
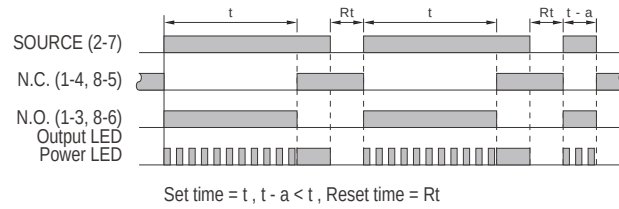
Output mode B4 : Repeat one shot output(1A1C)



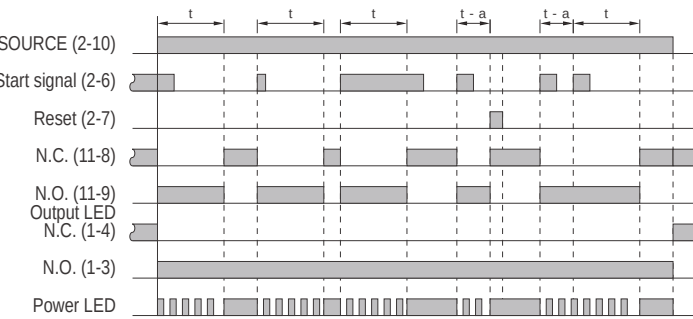
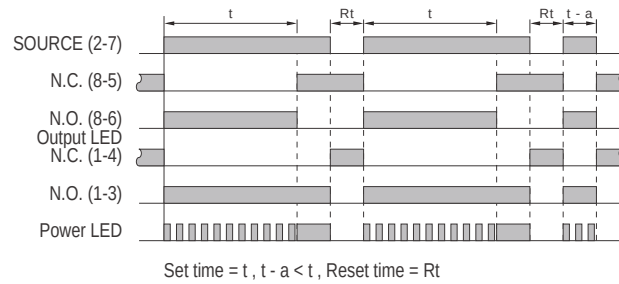
H3C-R11



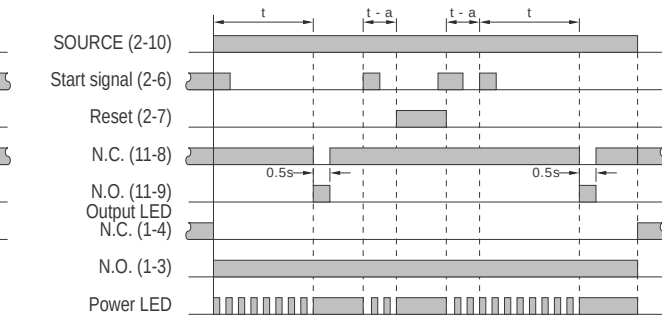
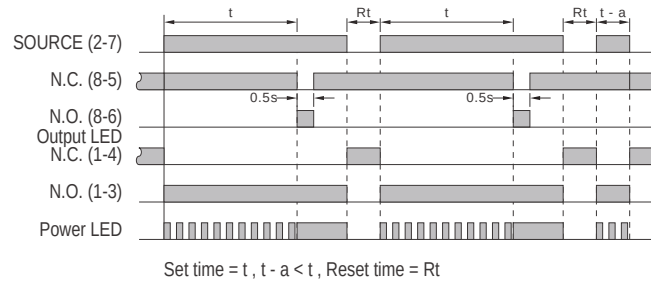
Output mode C : Signal ON/OFF delay(2C)



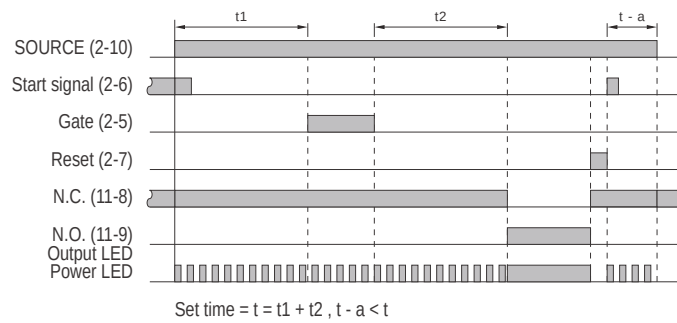
Output mode E : Interval(1A1C)



Output mode J : One shot output(1A1C)

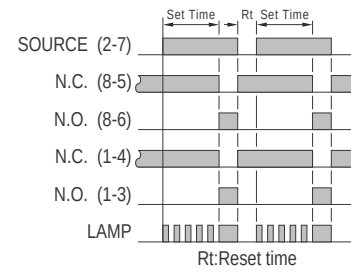


Application of Gate terminal :

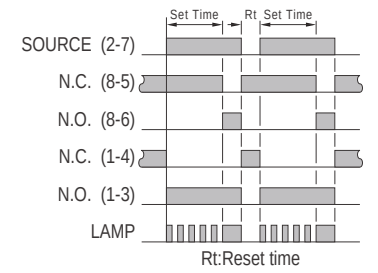


AH5N / H3B-R□ / H3B-□

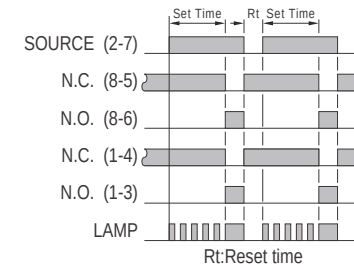
Mode A



Mode B



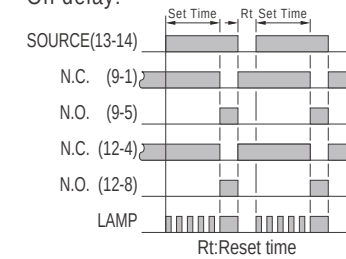
AH5C



AMY-N□ / AMY-□

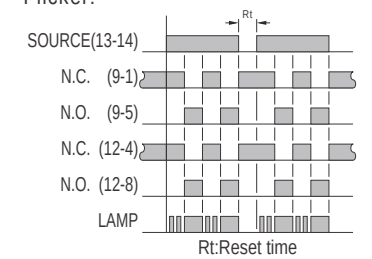
AMY-2/ -N2

On delay:



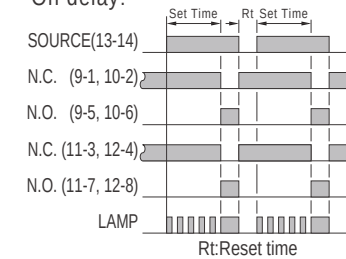
AMY-N2

Flicker:



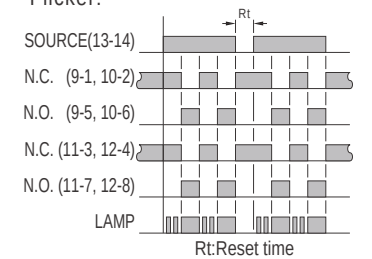
AMY-4/ -N4

On delay:



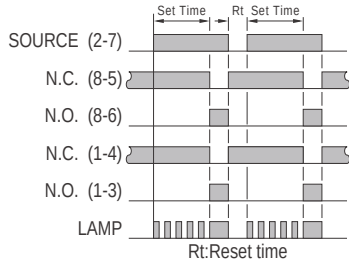
AMY-N4

Flicker:

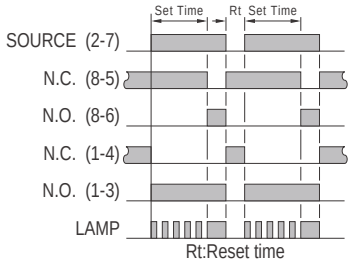


AH3-R / AH3-N

Mode A

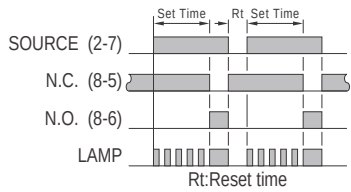


Mode B

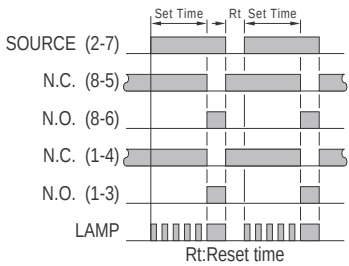


AH3-

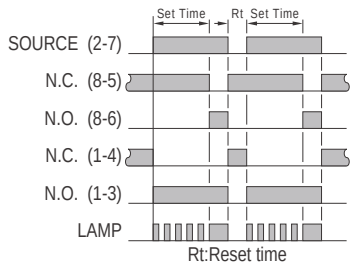
AH3-1



AH3-2

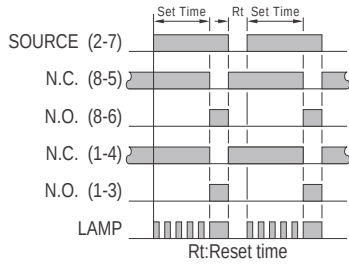


AH3-3

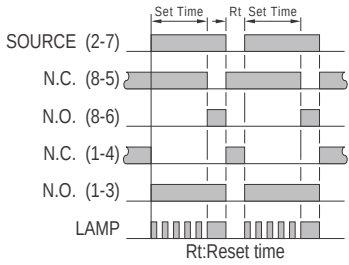


AH2-

Mode A

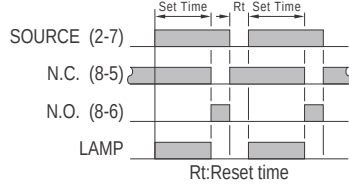


Mode B

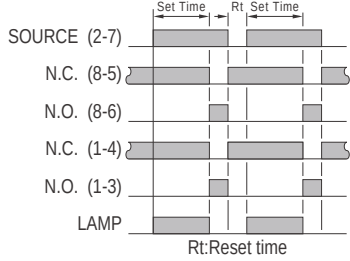


ASTP-

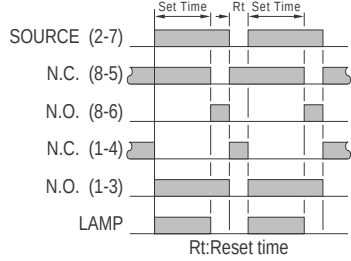
ASTP-N1/ -Y1



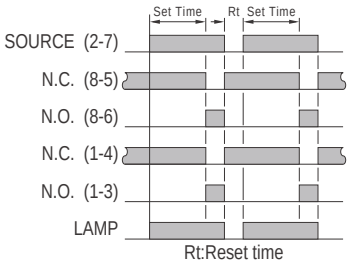
ASTP-N2/ -Y2



ASTP-N/ -Y

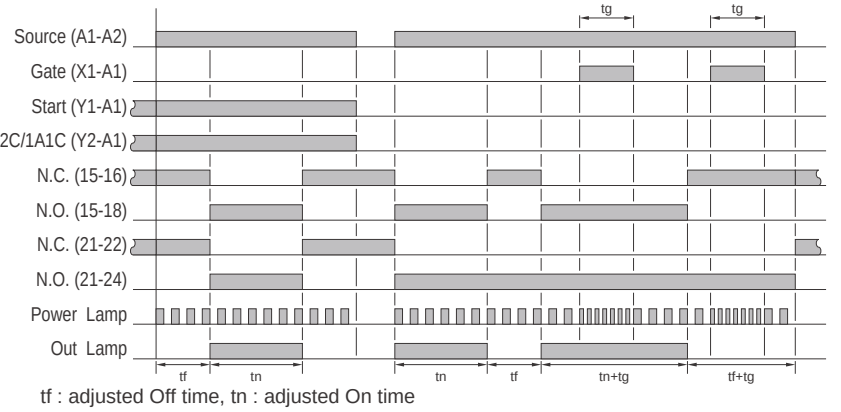


AH3G-

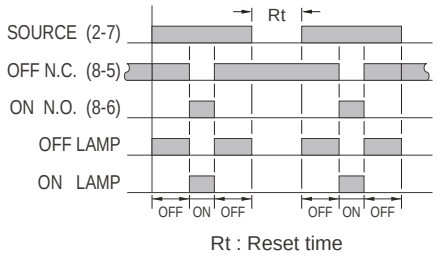


ET2-41

Mode B6 : Circulation

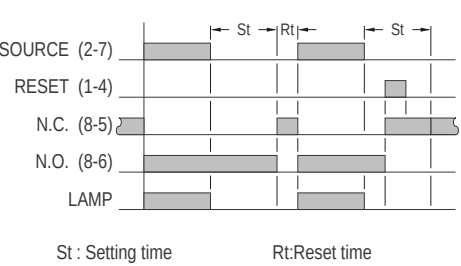


ATDV-

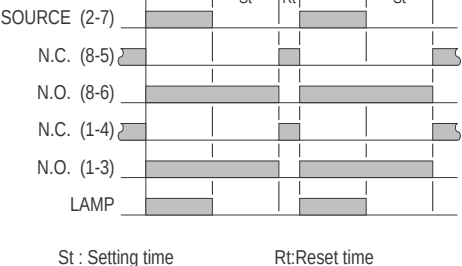


AH5F-

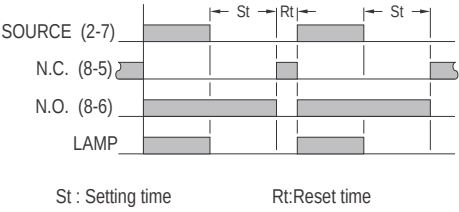
AH5F



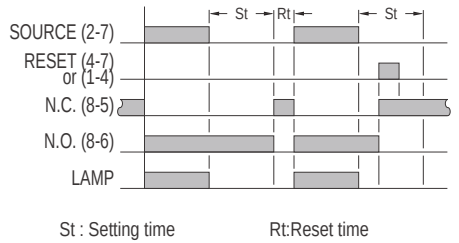
AH5F-2



ATS

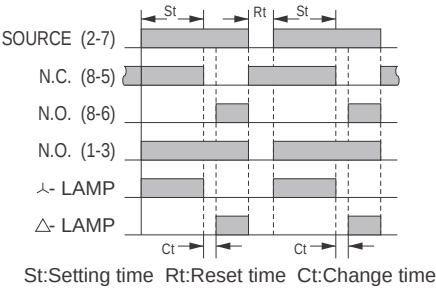


ATF-□F

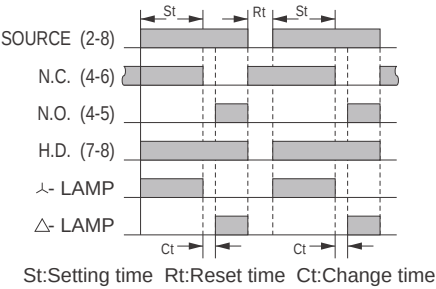


TRD-N□ / TRD-ND□

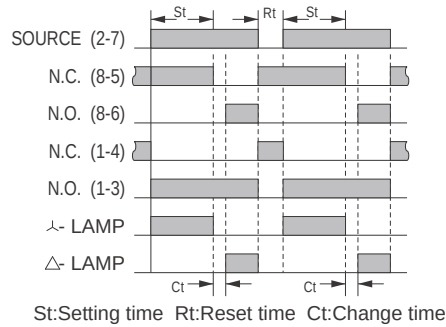
TRD-N/ -ND



TRD-NT/ -NDT

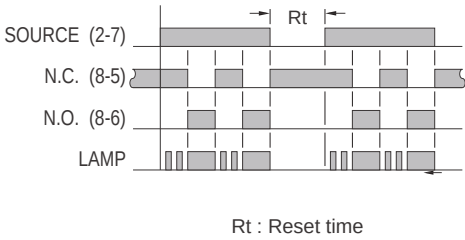


ARD

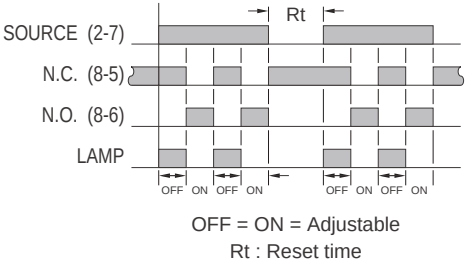


AFK / TFK

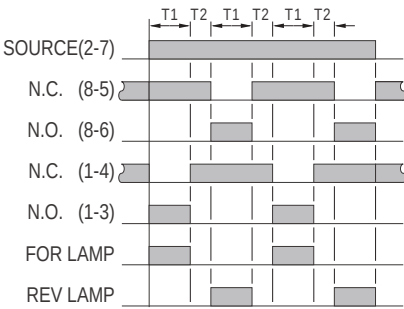
AFK



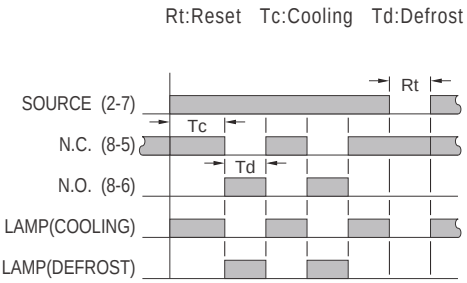
TFK



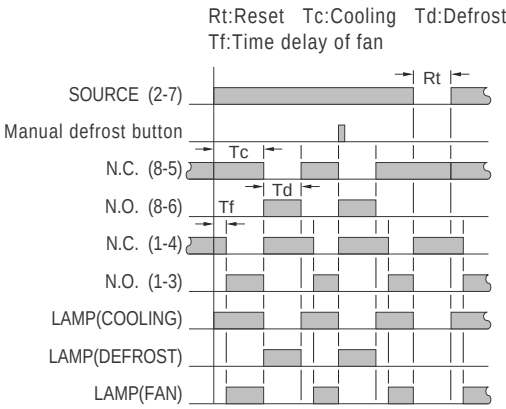
TWB-N / TWB-ND

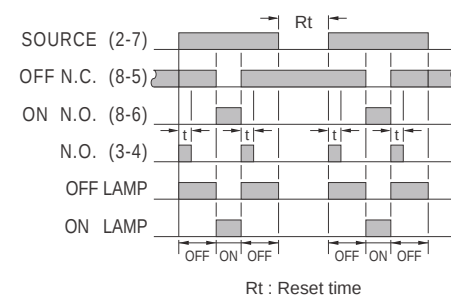
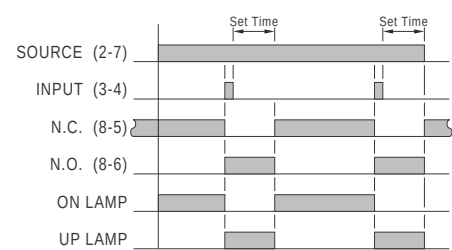


TDF

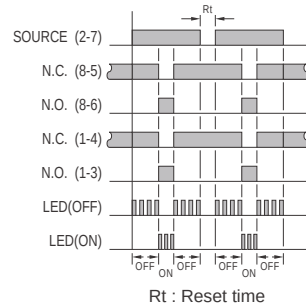


ATDE

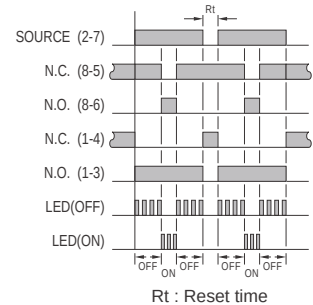




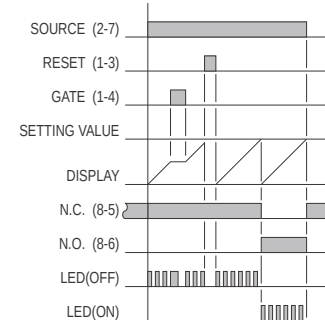
AH5CN-T Mode A



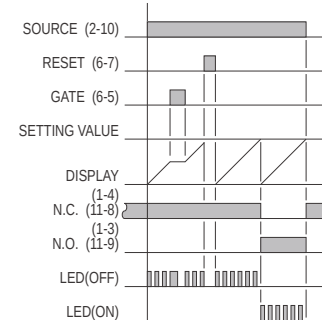
Mode B



AH5CN-TG

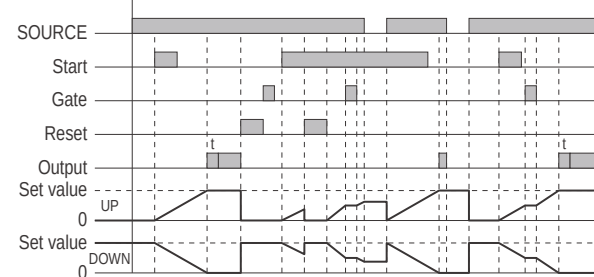


AH5CN-T11

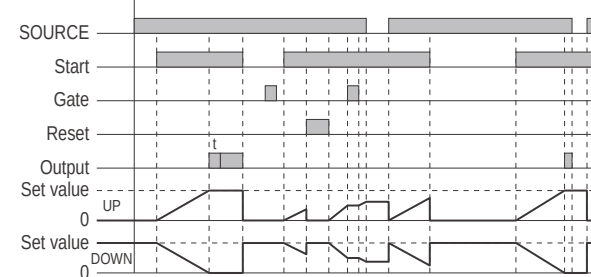


Note: In output mode A, A-1, A-2 and A-3, the control output is selectable between the sustained time period or one-shot time period.

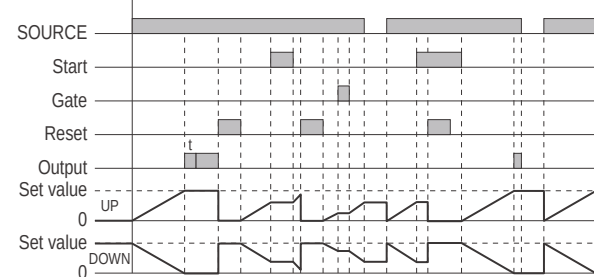
Output mode A : Signal ON delay 1
(Timer resets when power comes ON.)



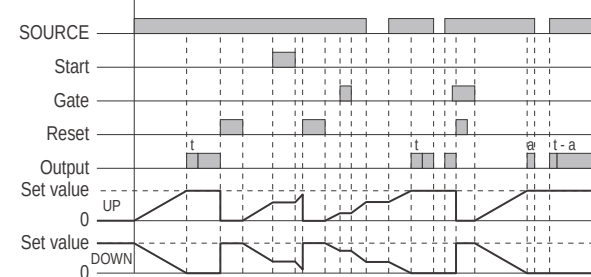
Output mode A-1 : Signal ON delay 2
(Timer resets when power comes ON.)



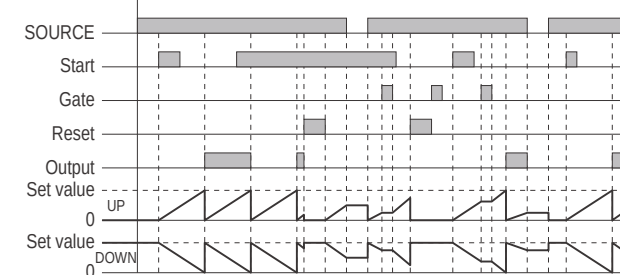
Output mode A-2 : Power ON delay 1
(Timer resets when power comes ON.)



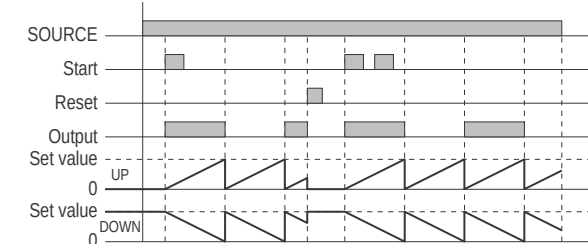
Output mode A-3 : Power ON delay 2
(Timer dose not reset when power comes ON.)



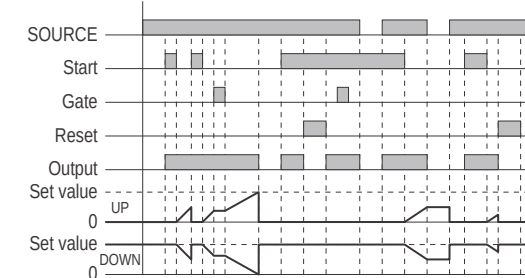
Output mode B : Repeat cycle 1
(Timer resets when power comes ON.)



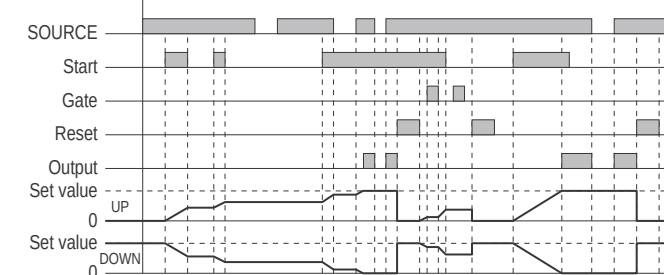
Output mode B-2 : Repeat cycle ON start
(Timer resets when power comes ON.)



Output mode D : Signal OFF delay
(Timer resets when power comes ON.)

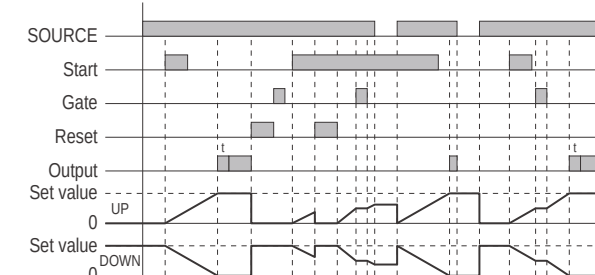


Output mode F : Cumulative
(Timer does not reset when power comes ON.)

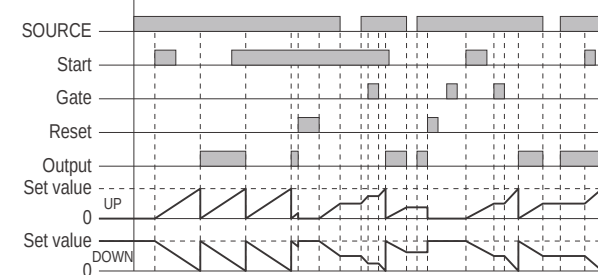


Note: In output mode A, A-1, A-2 and A-3, the control output is selectable between the sustained time period or one-shot time period.

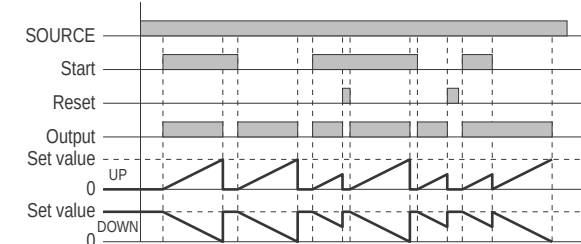
Output mode A : Signal ON delay 1
(Timer resets when power comes ON.)



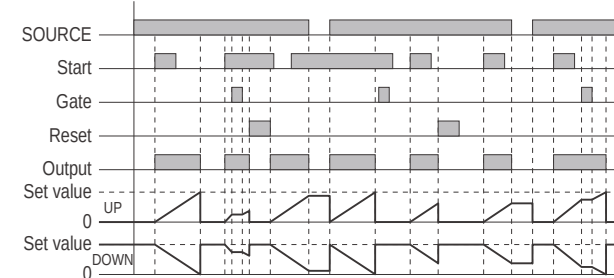
Output mode B-1 : Repeat cycle 2
(Timer dose not reset when power comes ON.)



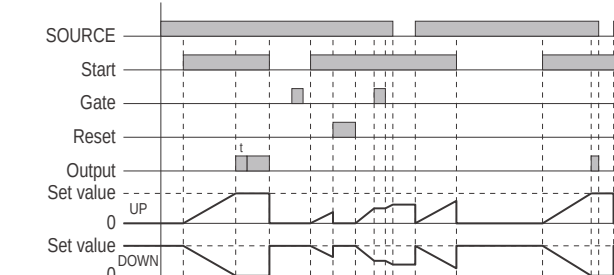
Output mode C : Signal ON/OFF delay
(Timer resets when power comes ON.)



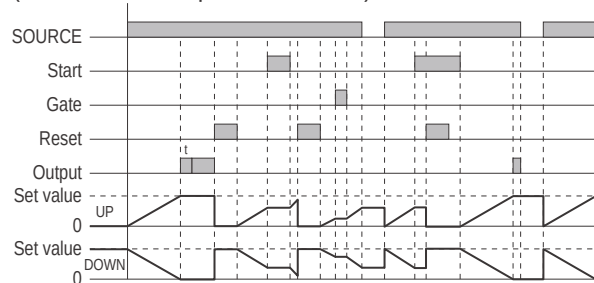
Output mode E : Interval
(Timer resets when power comes ON.)



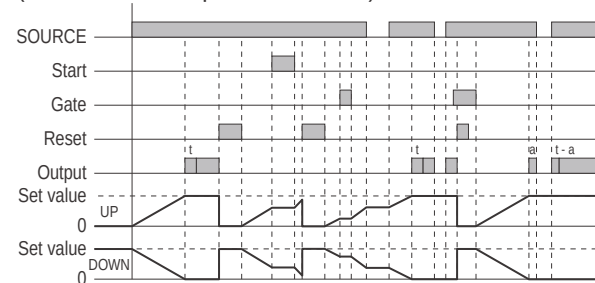
Output mode A-1 : Signal ON delay 2
(Timer resets when power comes ON.)



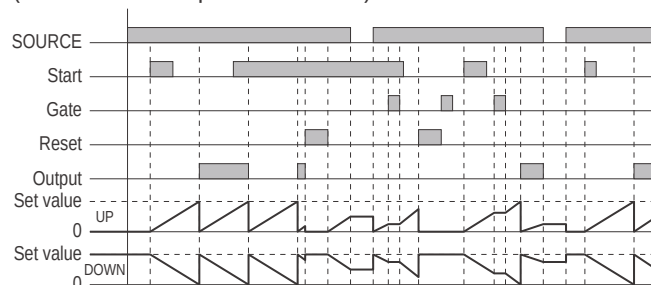
Output mode A-2 : Power ON delay 1
(Timer resets when power comes ON.)



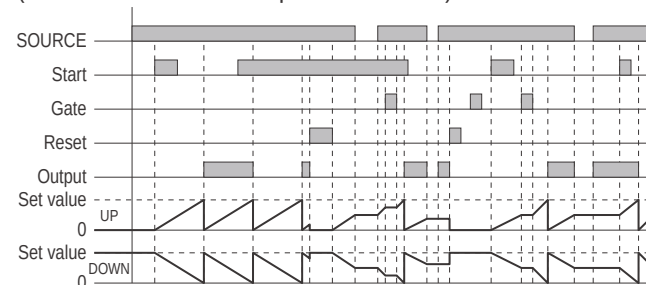
Output mode A-3 : Power ON delay 2
(Timer resets when power comes ON.)



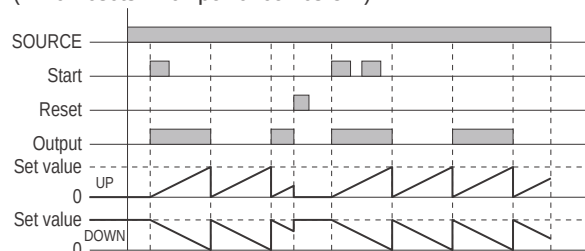
Output mode B : Repeat cycle 1
(Timer resets when power comes ON.)



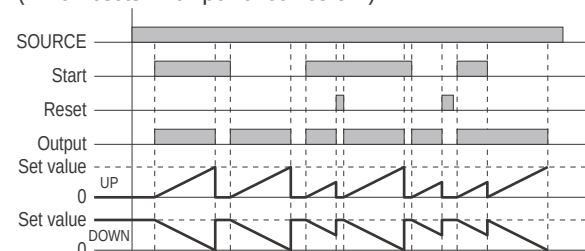
Output mode B-1 : Repeat cycle 2
(Timer dose not reset when power comes ON.)



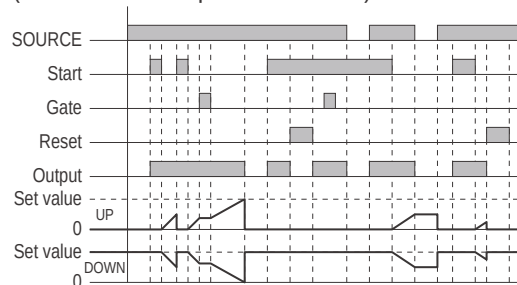
Output mode B-2 : Repeat cycle ON start
(Timer resets when power comes ON.)



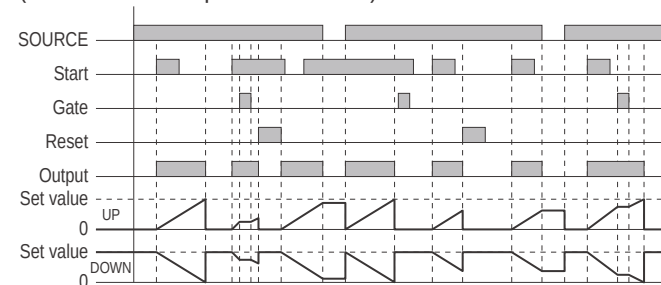
Output mode C : Signal ON/OFF delay
(Timer resets when power comes ON.)



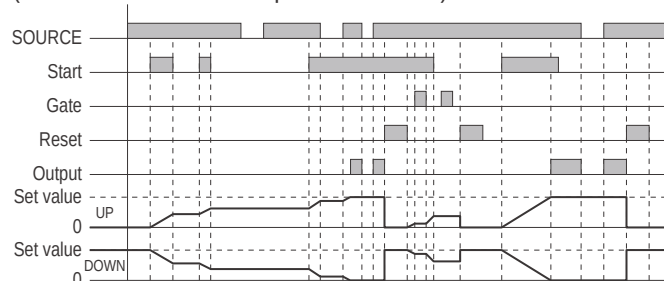
Output mode D : Signal OFF delay
(Timer resets when power comes ON.)



Output mode E : Interval
(Timer resets when power comes ON.)

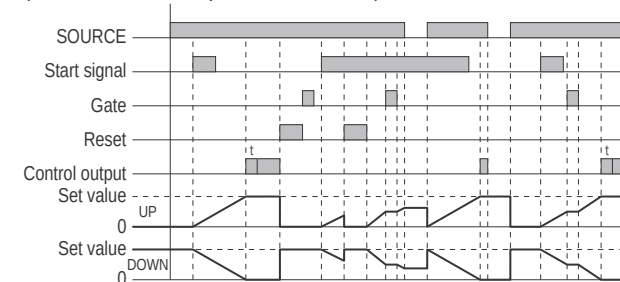


Output mode F : Cumulative
(Timer does not reset when power comes ON.)

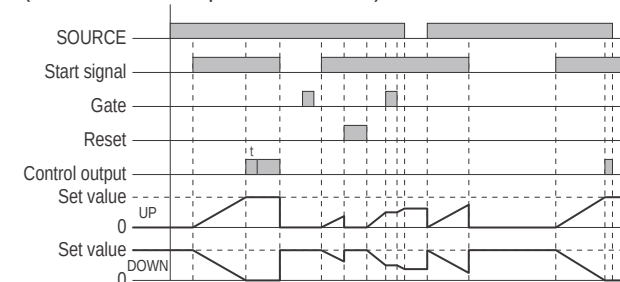


H5CLR-

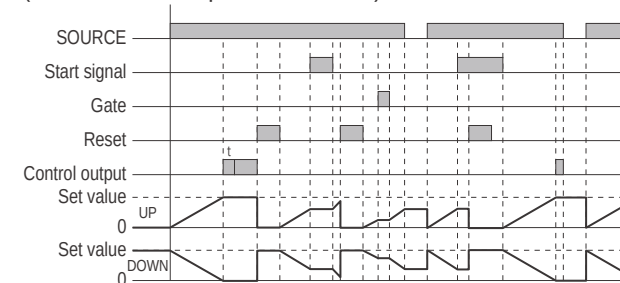
Output mode A : Signal ON delay 1
(Timer resets when power comes ON.)



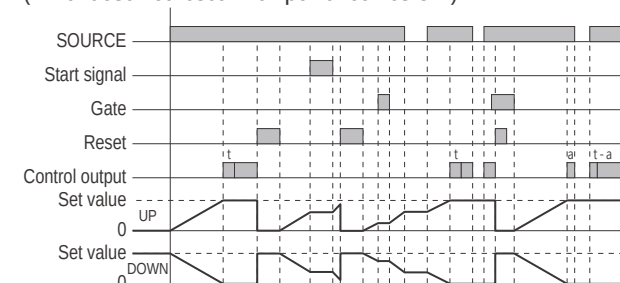
Output mode A-1 : Signal ON delay 2
(Timer resets when power comes ON.)



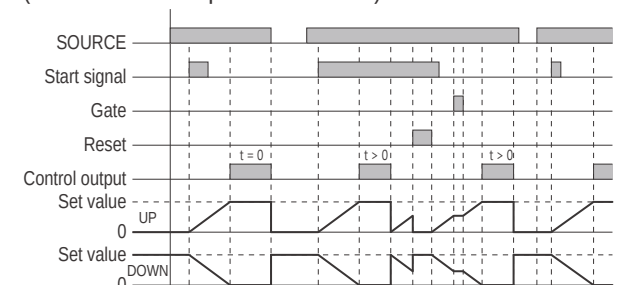
Output mode A-2 : Power ON delay 1
(Timer resets when power comes ON.)



Output mode A-3 : Power ON delay 2
(Timer dose not reset when power comes ON.)



Output mode A-5 : Signal ON delay 3
(Timer resets when power comes ON.)



Timing starts when the start signal goes ON.
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.
The control output is controlled using a
sustained or one-shot time period.

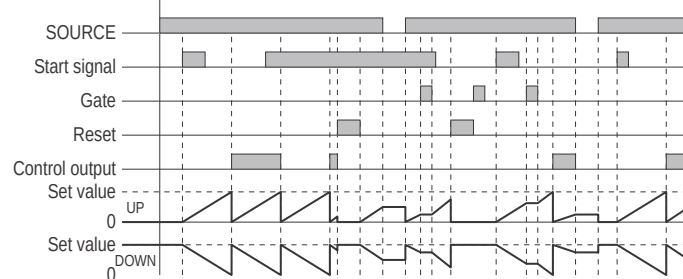
Timing starts when the start signal goes ON,
and is reset when the start signal goes OFF.
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.
The control output is controlled using a
sustained or one-shot time period.

Timing starts when the reset input goes OFF.
The start signal disables the timing function
(ie., same function as the gate input).
The control output is controlled using a
sustained or one-shot time period.

Timing starts when the reset input goes OFF.
The start signal disables the timing function
(ie., same function as the gate input).
The control output is controlled using a
sustained or one-shot time period.

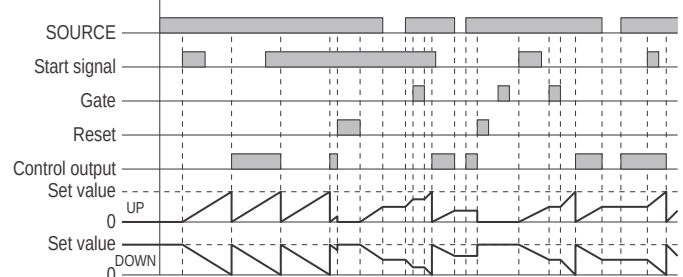
Timing starts when the start signal goes ON.
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.
The status of the control output is reversed
when time is up (OFF at start).

Output mode B : Repeat cycle 1
(Timer resets when power comes ON.)



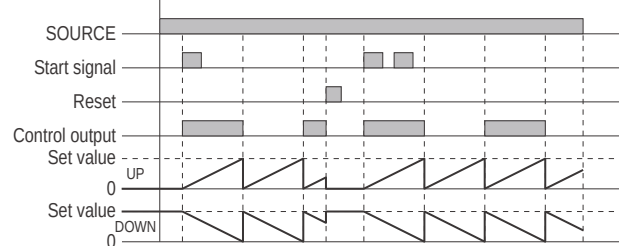
Timing starts when the start signal goes ON.
The status of the control output is reversed when time is up (OFF at start).
While the start signal is ON, the timer starts when the power comes ON or when the reset input goes OFF.

Output mode B-1 : Repeat cycle 2
(Timer dose not reset when power comes ON.)



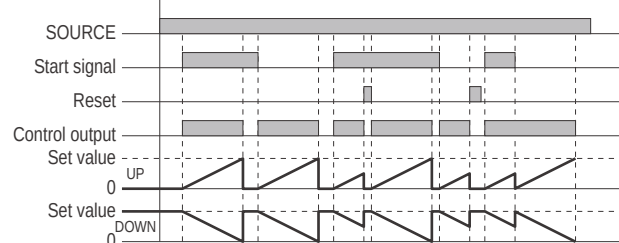
Timing starts when the start signal goes ON.
The status of the control output is reversed when time is up (OFF at start).
While the start signal is ON, the timer starts when the power comes ON or when the reset input goes OFF.

Output mode B-2 : Repeat cycle ON start
(Timer resets when power comes ON.)



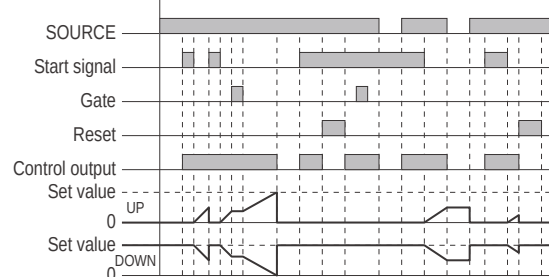
Timing starts when the start signal goes ON.
The status of the control output is reversed when time is up (OFF at start).
While the start signal is ON, the timer starts when the power comes ON or when the reset input goes OFF.

Output mode C : Signal ON/OFF delay
(Timer resets when power comes ON.)



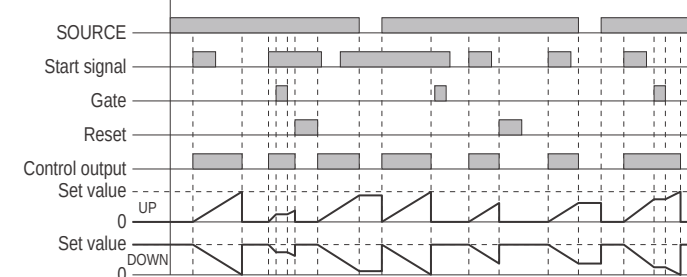
Timing starts when the start signal goes ON or OFF.
The status of the control output is ON when the start signal goes ON or OFF.

Output mode D : Signal OFF delay
(Timer resets when power comes ON.)



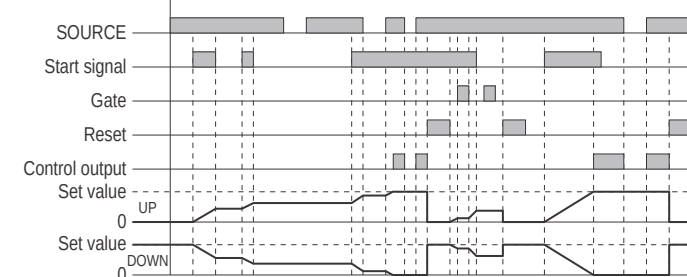
The control output is ON when the start signal is ON(except when the power is OFF or the reset is ON).
The timer is reset when the time is up.

Output mode E : Interval
(Timer resets when power comes ON.)



Timing starts when the start signal comes ON.
The control output is reset when time is up.
While the start signal is ON, the timer starts when power comes ON or when the reset input goes OFF.

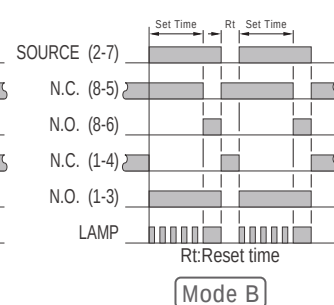
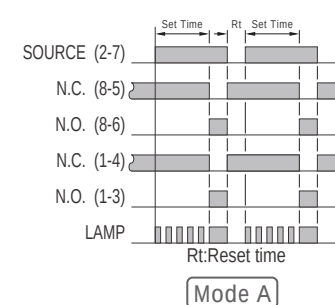
Output mode F : Cumulative
(Timer does not reset when power comes ON.)



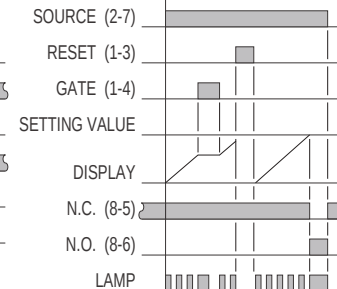
Start signal enables timing (timing is stopped when the start signal is OFF or when the power is OFF)
A sustained control output is used.

AH5CN-R□ / AH5CN-□

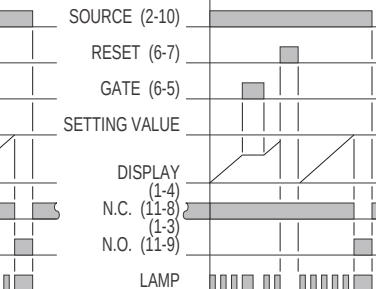
AH5CN-R/ AH5CN



AH5CN-G/ -RG

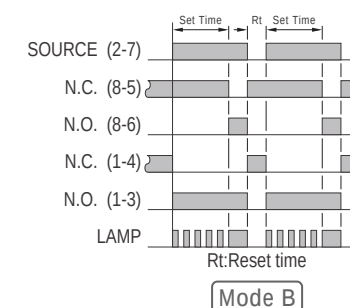
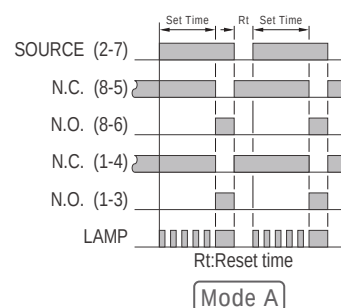


AH5CN-11/ -R11

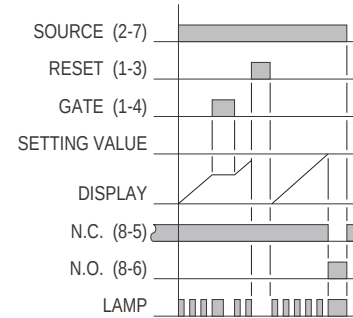


AH4CN-R□

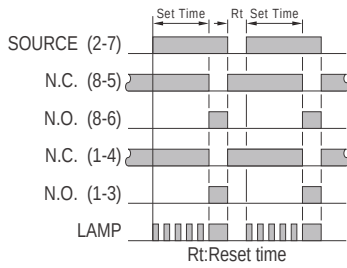
AH4CN-R



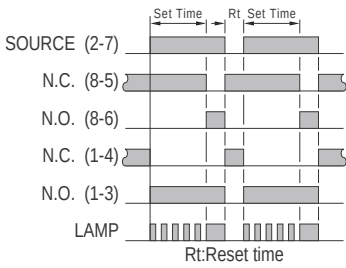
AH4CN-RG



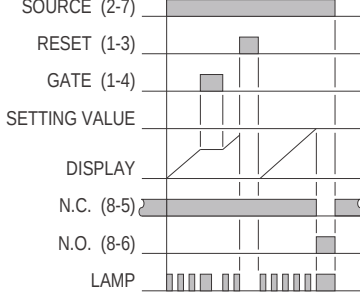
AH5E-4D



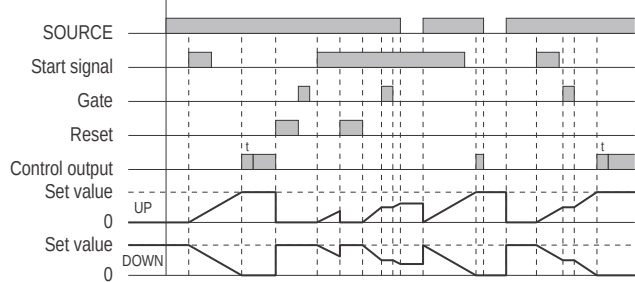
AH5E-4DA



AH5E-4DG

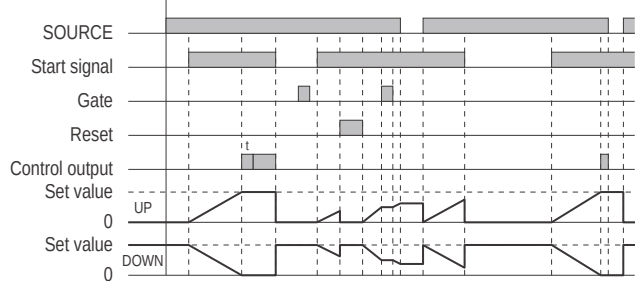


Output mode A : Signal ON delay 1
(Timer resets when power comes ON.)



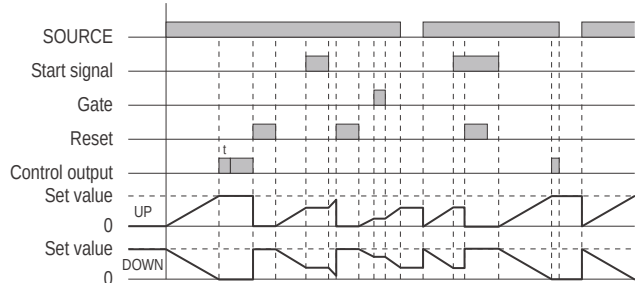
Timing starts when the start signal goes ON.
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.
The control output is controlled using a
sustained or one-shot time period.

Output mode A-1 : Signal ON delay 2
(Timer resets when power comes ON.)



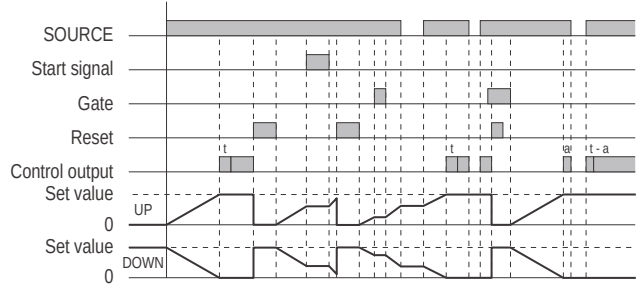
Timing starts when the start signal goes ON,
and is reset when the start signal goes OFF.
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.
The control output is controlled using a
sustained or one-shot time period.

Output mode A-2 : Power ON delay 1
(Timer resets when power comes ON.)



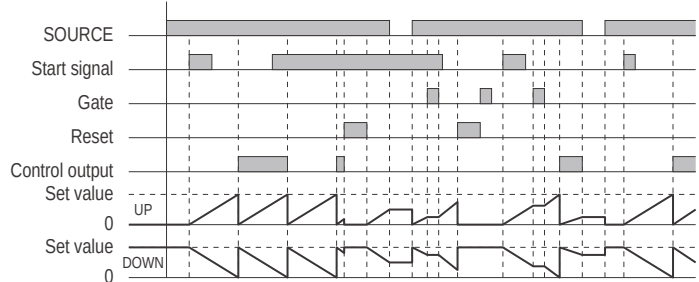
Timing starts when the reset input goes OFF.
The start signal disables the timing function (
ie., same function as the gate input).
The control output is controlled using a
sustained or one-shot time period.

Output mode A-3 : Power ON delay 2
(Timer dose not reset when power comes ON.)



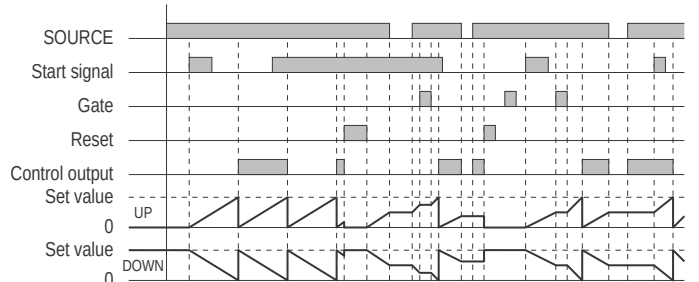
Timing starts when the reset input goes OFF.
The start signal disables the timing function (
ie., same function as the gate input).
The control output is controlled using a
sustained or one-shot time period.

Output mode B : Repeat cycle 1
(Timer resets when power comes ON.)



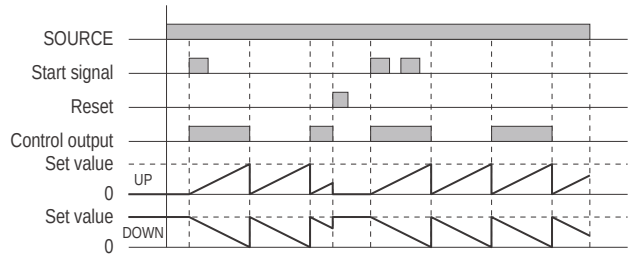
Timing starts when the start signal goes ON.
The status of the control output is reversed
when time is up (OFF at start).
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.

Output mode B-1 : Repeat cycle 2
(Timer dose not reset when power comes ON.)



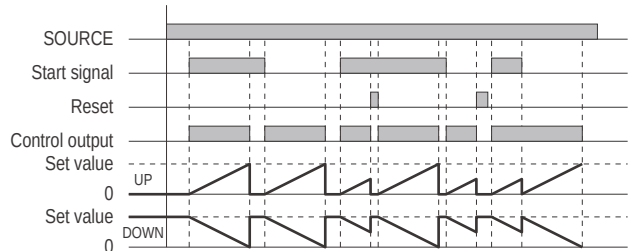
Timing starts when the start signal goes ON.
The status of the control output is reversed
when time is up (OFF at start).
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.

Output mode B-2 : Repeat cycle ON start
(Timer resets when power comes ON.)



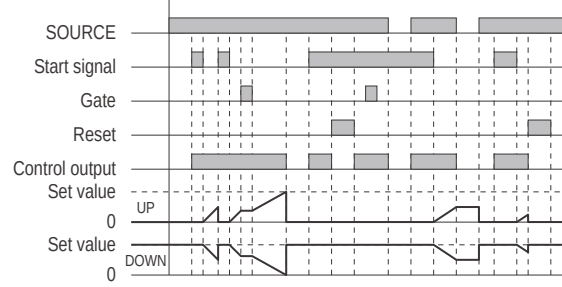
Timing starts when the start signal goes ON.
The status of the control output is reversed
when time is up (OFF at start).
While the start signal is ON, the timer starts
when the power comes ON or when the reset
input goes OFF.

Output mode C : Signal ON/OFF delay
(Timer resets when power comes ON.)



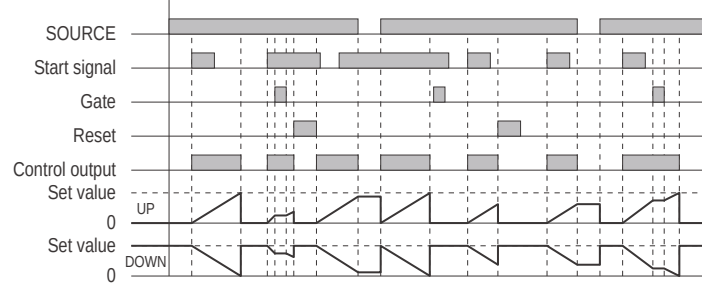
Timing starts when the start signal goes ON
or OFF.
The status of the control output is ON when
the start signal goes ON or OFF.

Output mode D : Signal OFF delay
(Timer resets when power comes ON.)



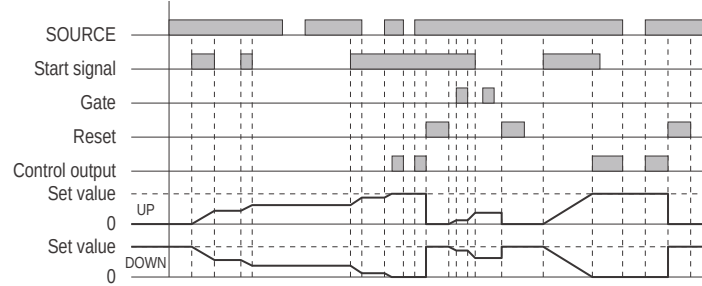
The control output is ON when the start signal is ON(except when the power is OFF or the reset is ON).
The timer is reset when the time is up.

Output mode E : Interval
(Timer resets when power comes ON.)



Timing starts when the start signal comes ON.
The control output is reset when time is up.
While the start signal is ON, the timer starts when power comes ON or when the reset input goes OFF.

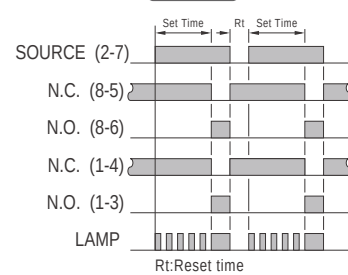
Output mode F : Cumulative
(Timer does not reset when power comes ON.)



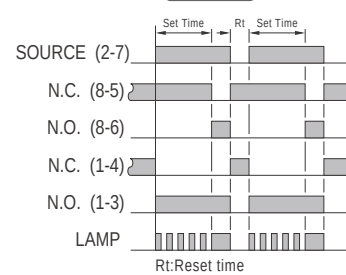
Start signal enables timing (timing is stopped when the start signal is OFF or when the power is OFF)
A sustained control output is used.

ASY- / / ASY-3D

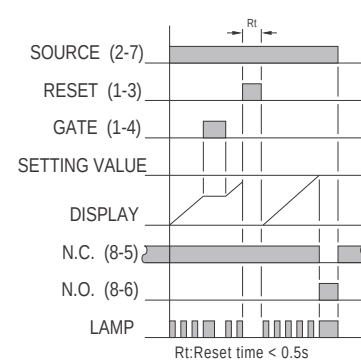
ASY-3D or Mode A



ASY-3DA or Mode B

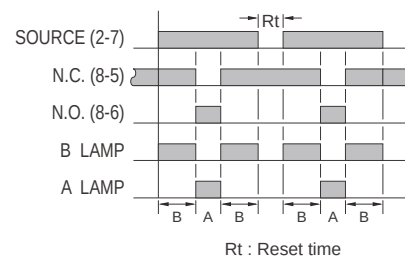


ASY-3DG/ -3SMG/ -3MHG

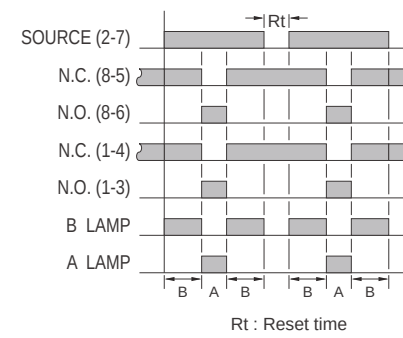


ACT- /

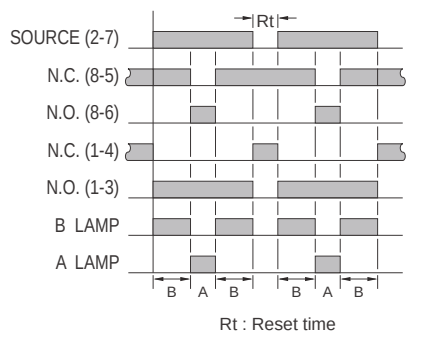
ACT-N/ -Y/ -NS/ -YS



ACT-N2/ -Y2/ -ND/ -YD

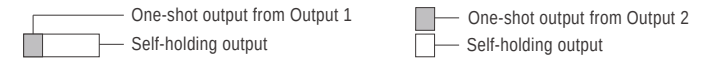


ACT-N3/ -Y3/ -NT/ -YT

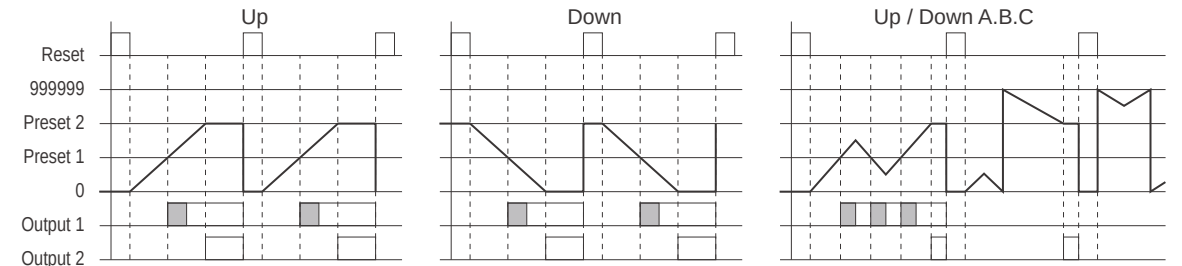


H8DA

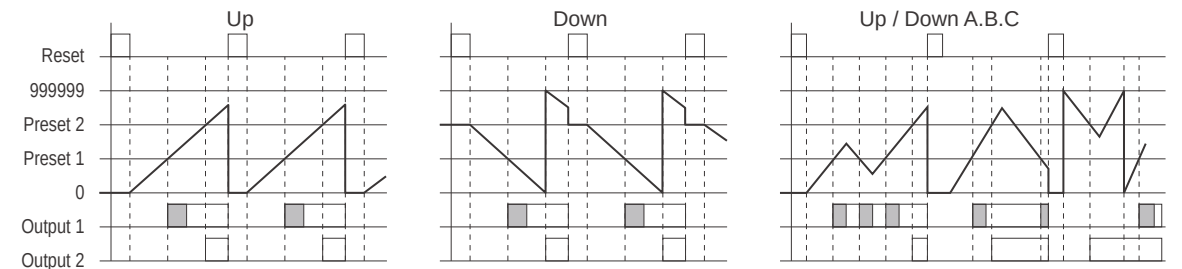
Input / Output Mode Setting



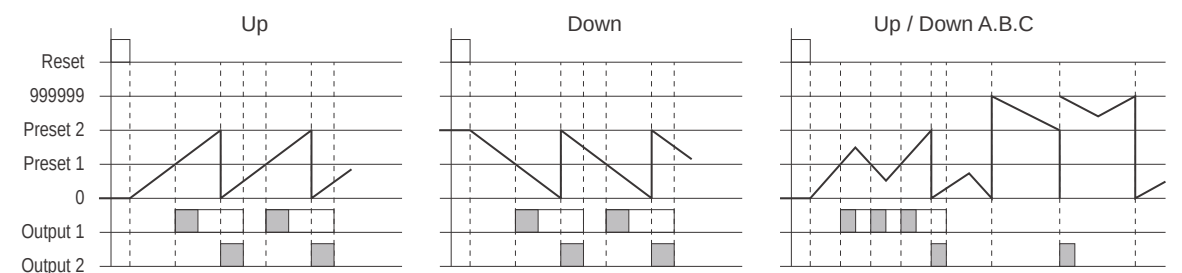
Output mode N : Output and present value display are maintained until reset.



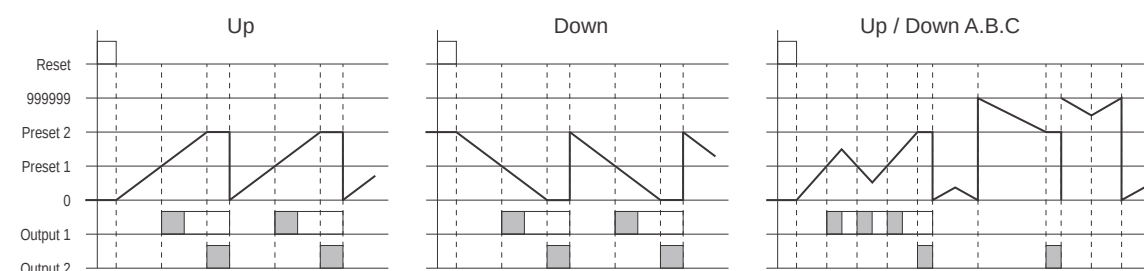
Output mode F : Present value display runs continuously. Outputs are maintained until reset.



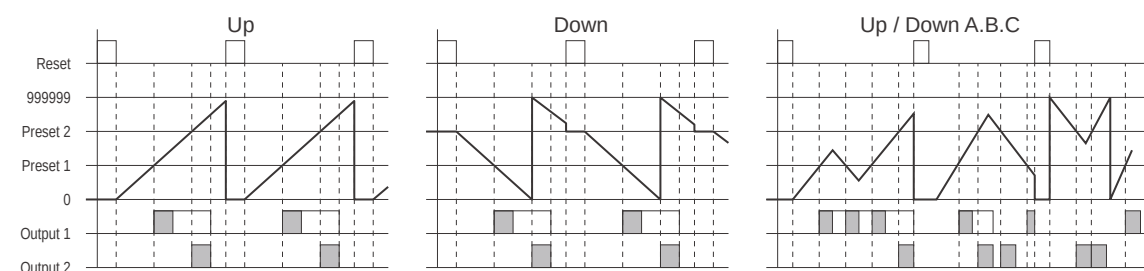
Output mode C : Present value is placed in reset start status as soon as count up is reached. The count up is not displayed. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



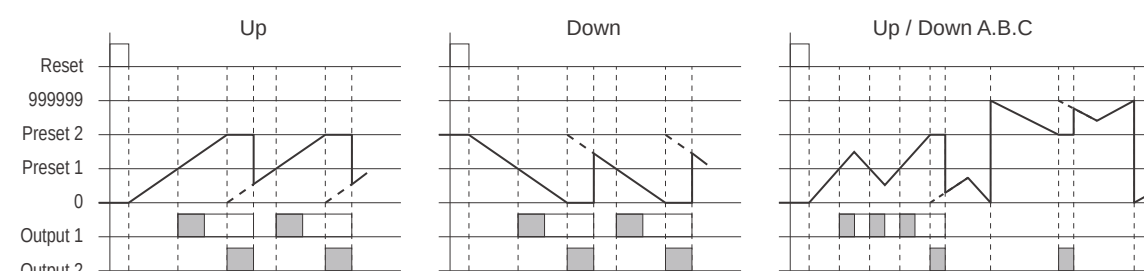
Output mode R : Present value is placed in reset start status as soon as count up is reached.
Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One -shot time periods for Output 1 and 2 are independent.



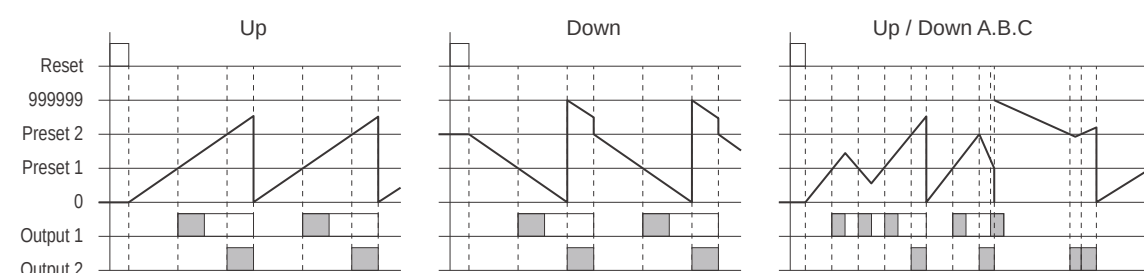
Output mode K : Present value runs continuously. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



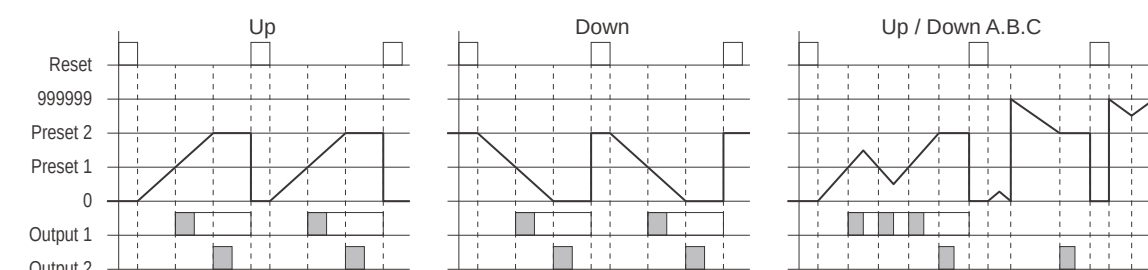
Output mode P : Present value display does not change during 1-shot time period, but reset start status is returned to as soon as count is reached. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One -shot time periods for Output 1 and 2 are independent.



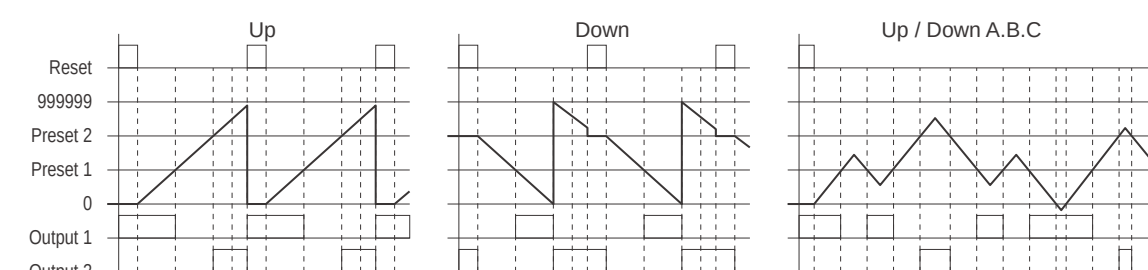
Output mode Q : Present value runs continuously through 1-shot time period and returns to reset start status immediately afterward. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One -shot time periods for Output 1 and 2 are independent.



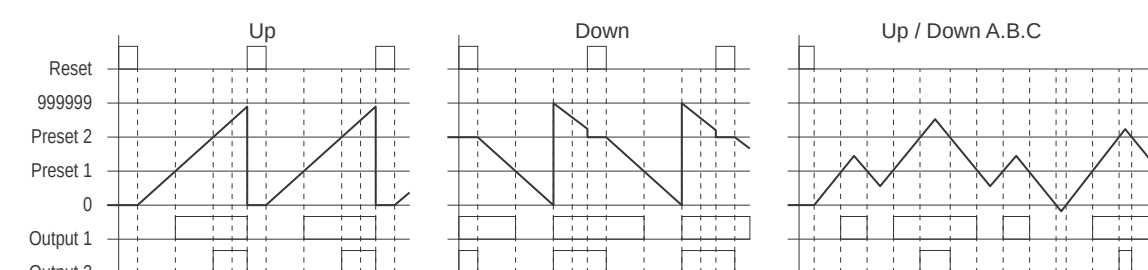
Output mode A : Present value and output 1 maintain status until reset. Output 1 and 2 operate independently.



Output mode L : The display continues to increase/decrease until the overflow or underflow value is reached.
Output 1 is held while the present value is less than or equal to Preset 1.
Output 2 is held while the present value is greater than or equal to Preset 2.

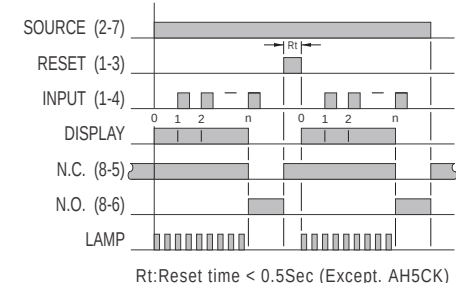


Output mode H : The display continues to increase/decrease until the overflow or underflow value is reached.
Output 1 is held while the present value is greater than or equal to Preset 1.
Output 2 is held while the present value is greater than or equal to Preset 2.



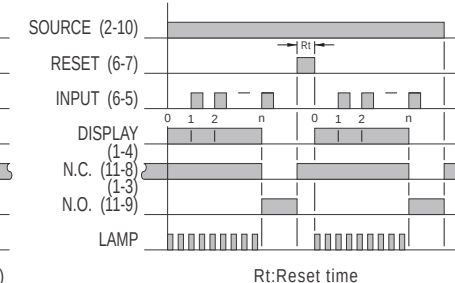
AH5CK-□□ / AH5K-4D□ / AH5K-C

AH5CK/ AH5K



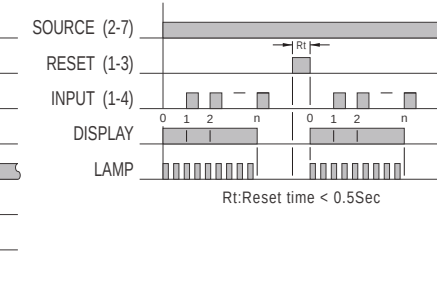
Rt:Reset time < 0.5Sec (Except. AH5CK)

AH5CK-11



Rt:Reset time

AH5K-C



Rt:Reset time < 0.5Sec

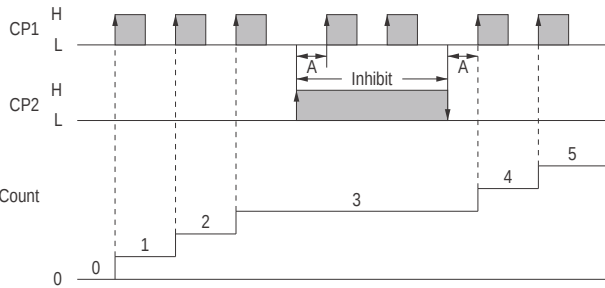
Input Modes and Count Value

Please note: 1. "A" indicates minimum signal width; "B" indicates 1/2 of minimum signal width. Signals may not be counted if the minimums for A and B are not met.

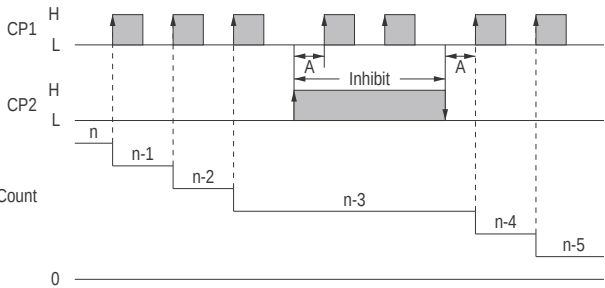
2. H and L

Signal	No-voltage input	Voltage input
H	Short circuit	4.5 ~ 30 VDC
L	Open circuit	0 ~ 2 VDC

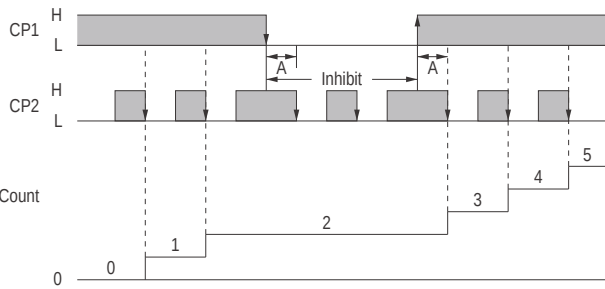
Up (increment) mode - Count at rising edge



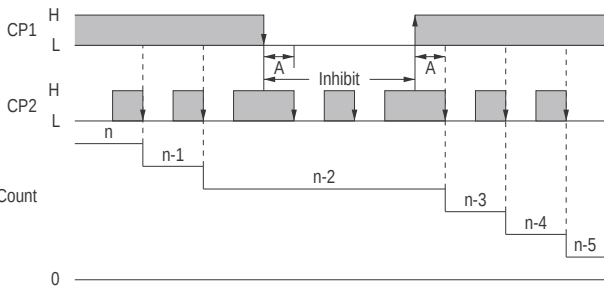
Down (decrement) mode - Count at rising edge



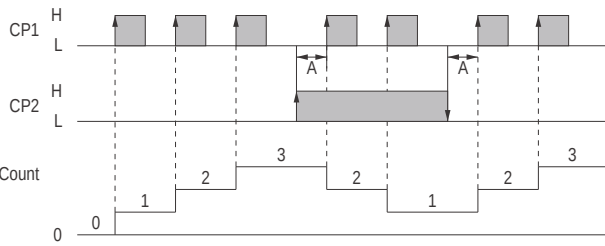
Up (increment) mode - Count at falling edge



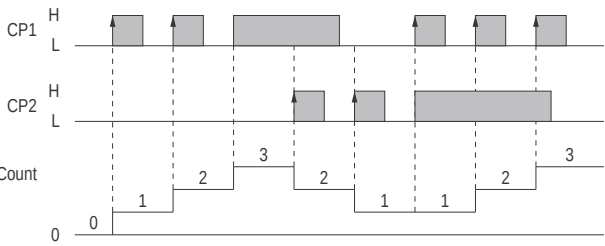
Down (decrement) mode - Count at falling edge



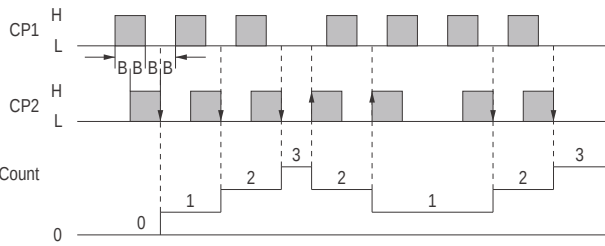
Up/Down A Command input mode



Up/Down B Individual input mode

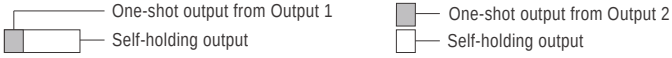


Up/Down C Phase difference input mode (See note 1.)

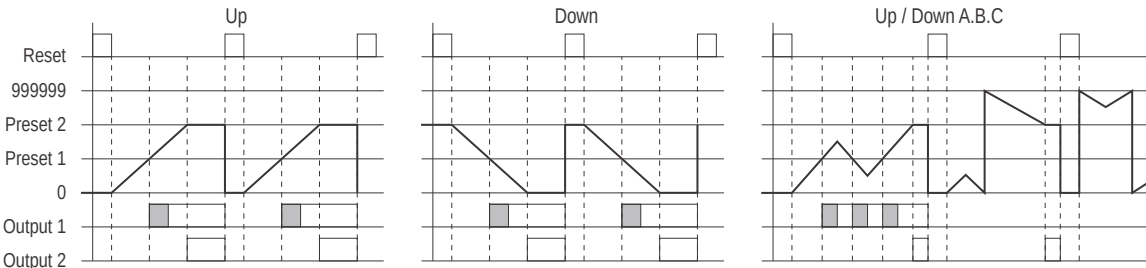


Note 1: Set the same counting speed for CP1 and CP2 when in Up/Down C mode.

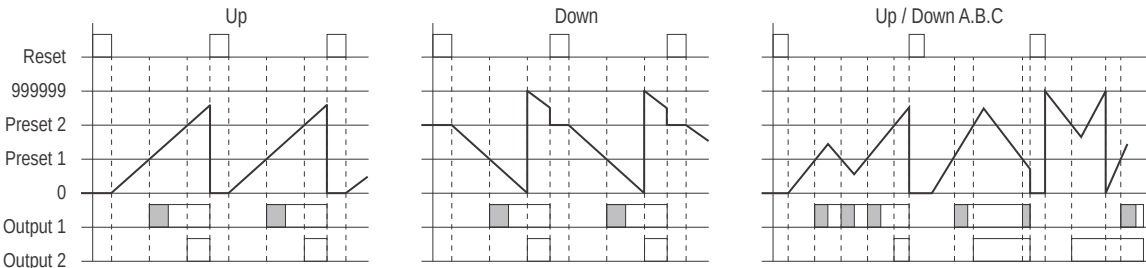
Input / Output Mode Setting



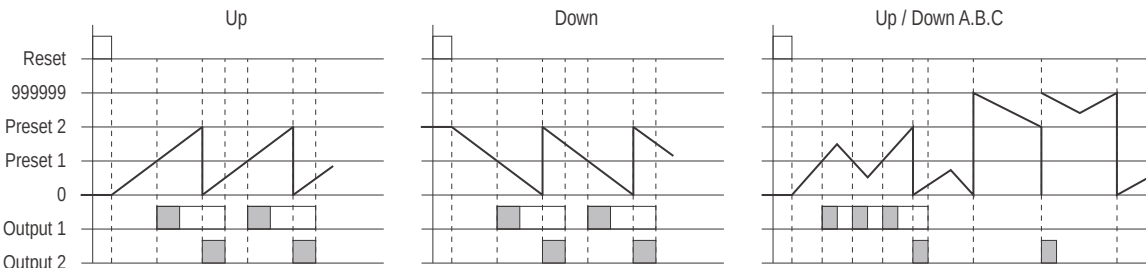
Output mode N : Output and present value display are maintained until reset.



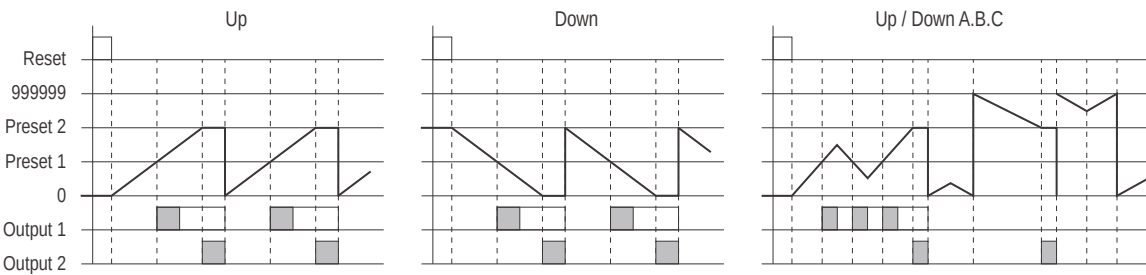
Output mode F : Present value display runs continuously. Outputs are maintained until reset.



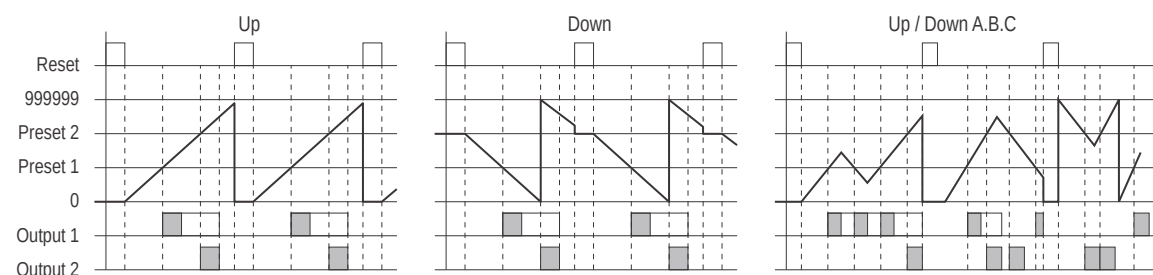
Output mode C : Present value is placed in reset start status as soon as count up is reached. The count up is not displayed. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One -shot time periods for Output 1 and 2 are independent.



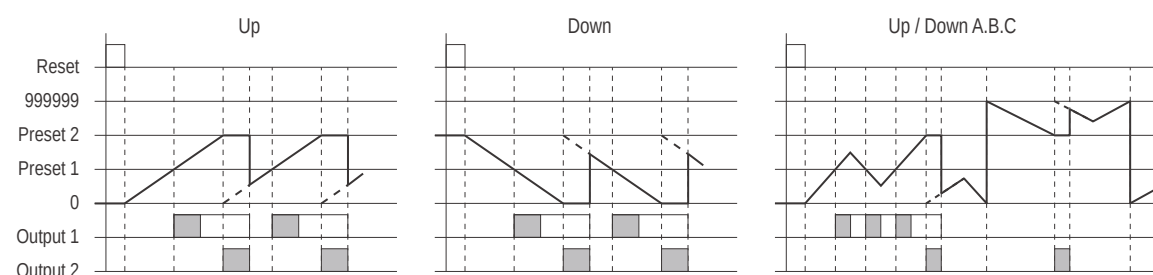
Output mode R : Present value is placed in reset start status as soon as count up is reached. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One -shot time periods for Output 1 and 2 are independent.



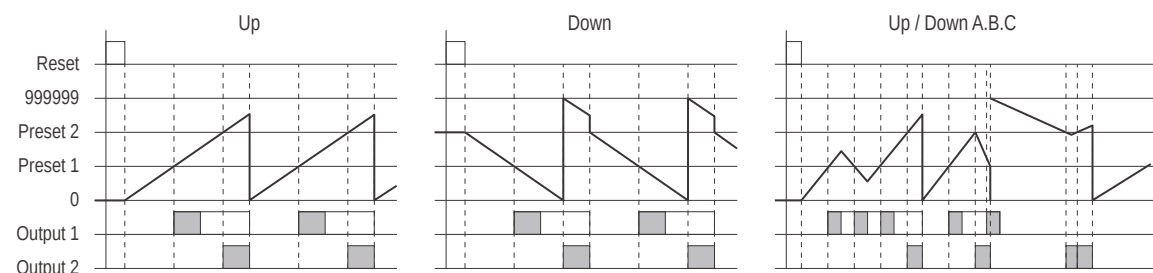
Output mode K : Present value runs continuously. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



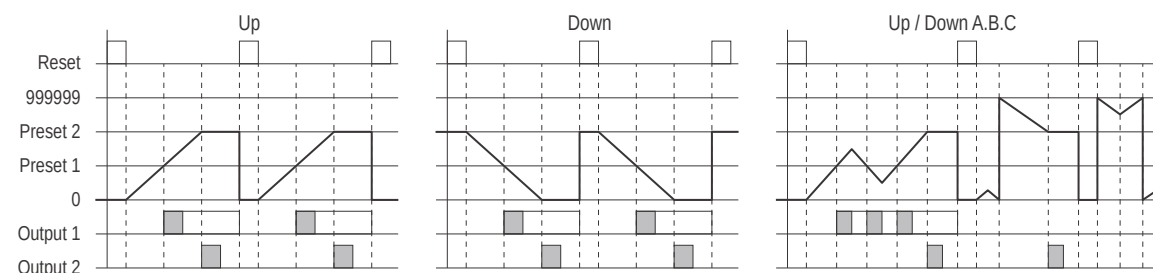
Output mode P : Present value display does not change during 1-shot time period, but reset start status is returned to as soon as count is reached. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



Output mode Q : Present value runs continuously through 1-shot time period and returns to reset start status immediately afterward. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



Output mode A : Present value and output 1 maintain status until reset. Output 1 and 2 operate independently.



H5KLR-□□

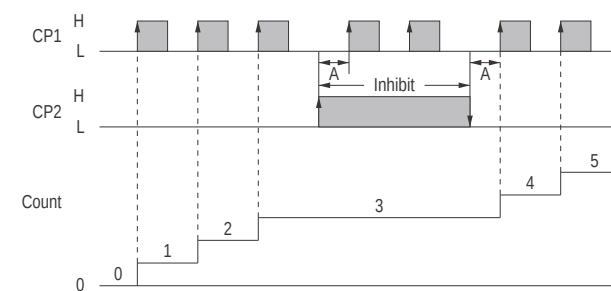
Input Modes and Count Value

Please note: 1. "A" indicates minimum signal width; "B" indicates 1/2 of minimum signal width. Signals may not be counted if the minimums for A and B are not met.

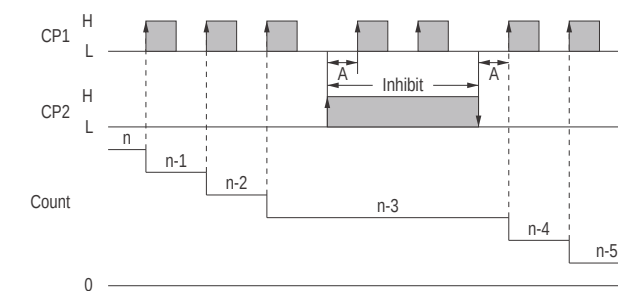
2. H and L

Signal	No-voltage input	Voltage input
H	Short circuit	4.5 ~ 30 VDC
L	Open circuit	0 ~ 2 VDC

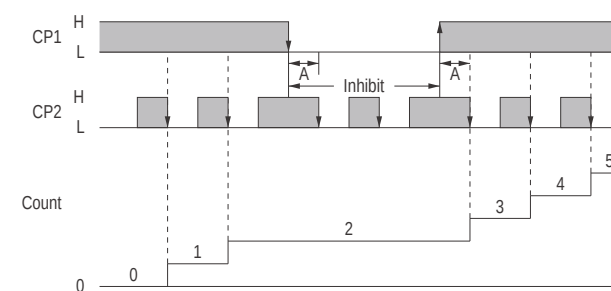
Up (increment) mode - Count at rising edge



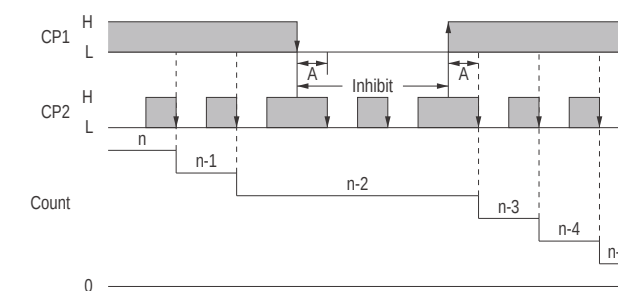
Down (decrement) mode - Count at rising edge



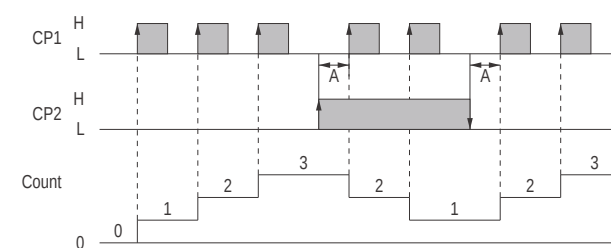
Up (increment) mode - Count at falling edge



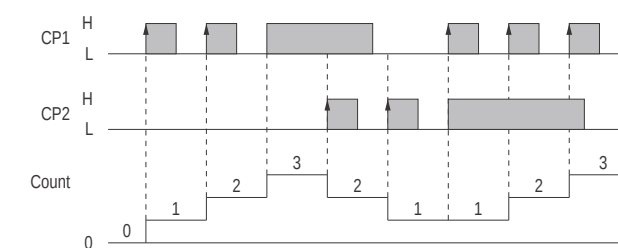
Down (decrement) mode - Count at falling edge



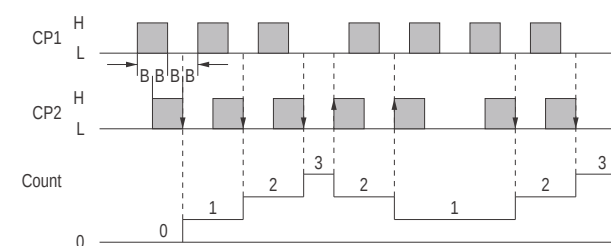
Up/Down A Command input mode



Up/Down B Individual input mode

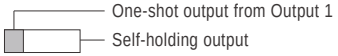
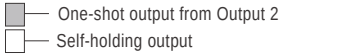


Up/Down C Phase difference input mode (See note 1.)

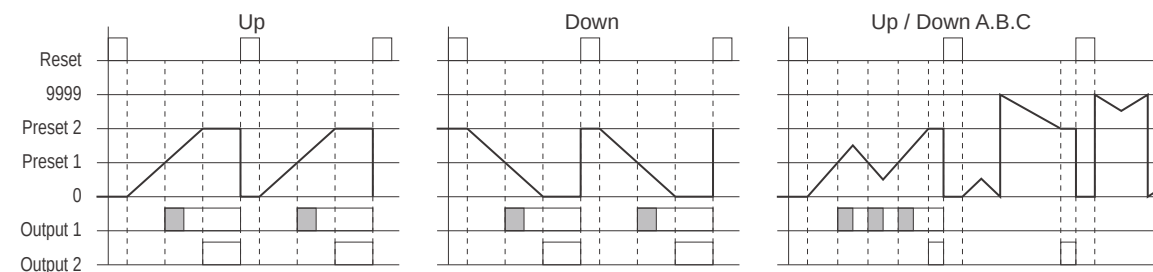


Note 1: Set the same counting speed for CP1 and CP2 when in Up/Down C mode.

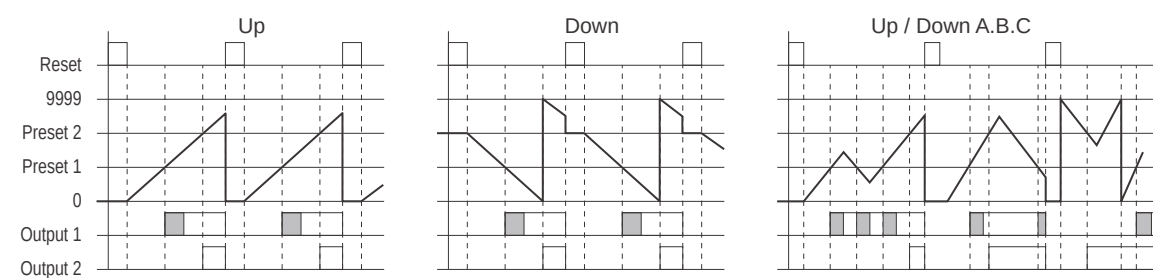
Input / Output Mode Setting

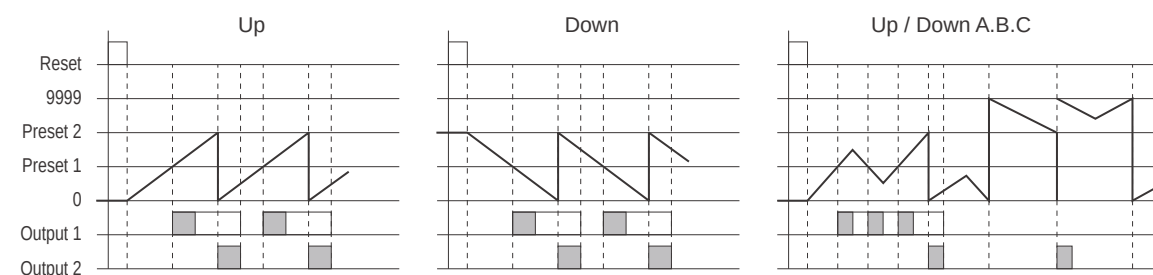
Output mode N : Output and present value display are maintained until reset.



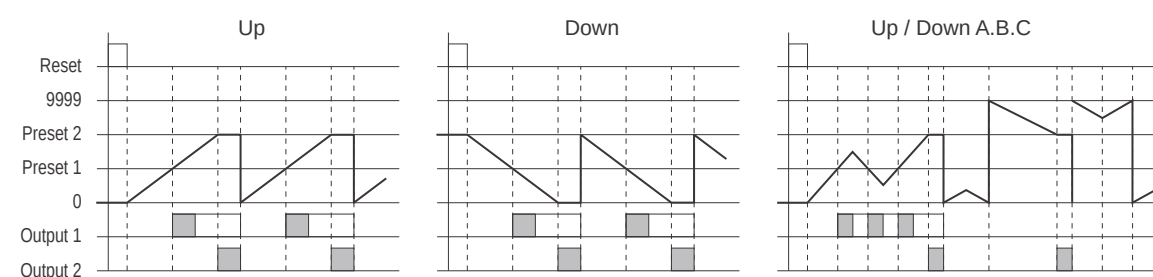
Output mode F : Present value display runs continuously. Outputs are maintained until reset.



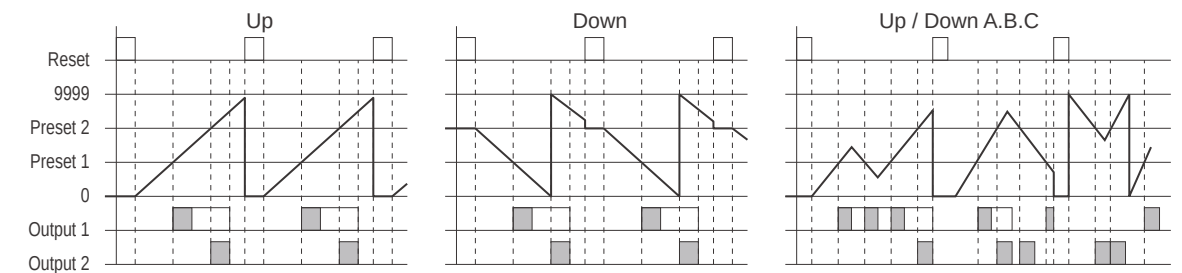
Output mode C : Present value is placed in reset start status as soon as count up is reached. The count up is not displayed. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



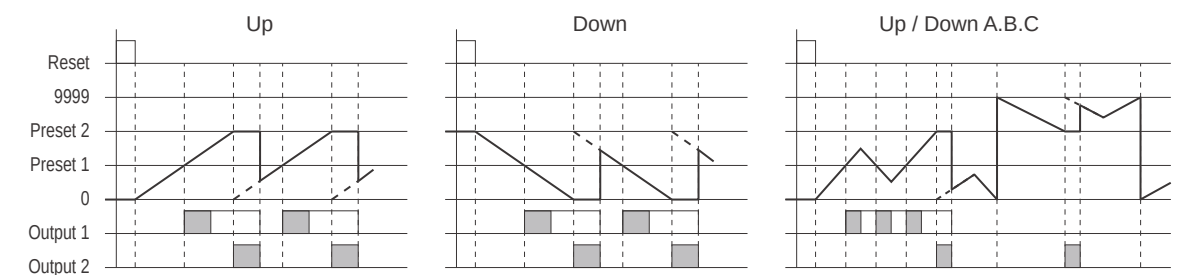
Output mode R : Present value is placed in reset start status as soon as count up is reached. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



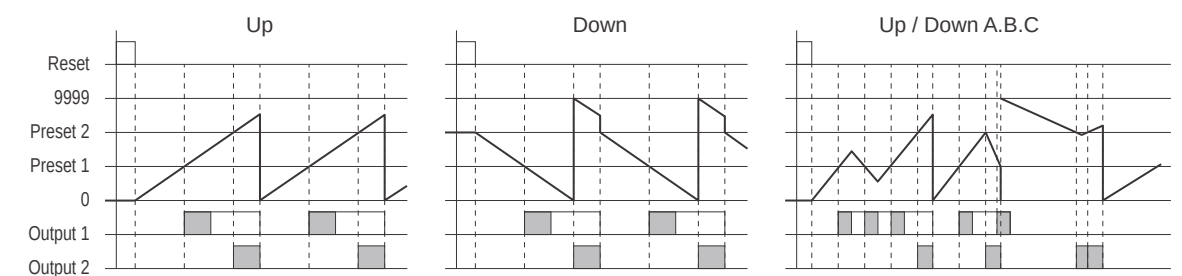
Output mode K : Present value runs continuously. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.



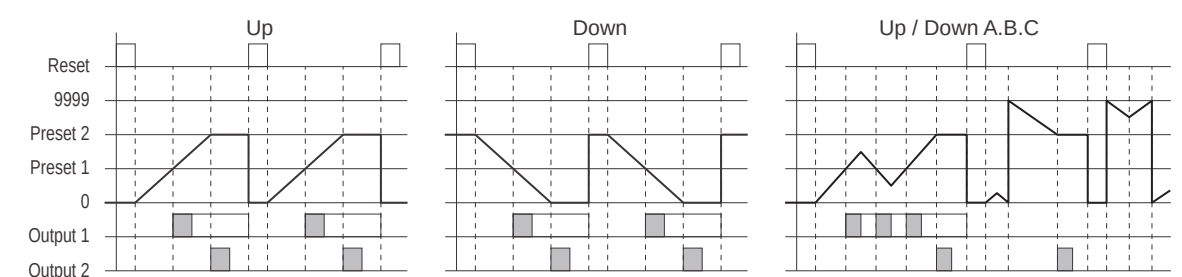
Output mode P : Present value display does not change during 1-shot time period, but reset start status is returned to as soon as count is reached. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.

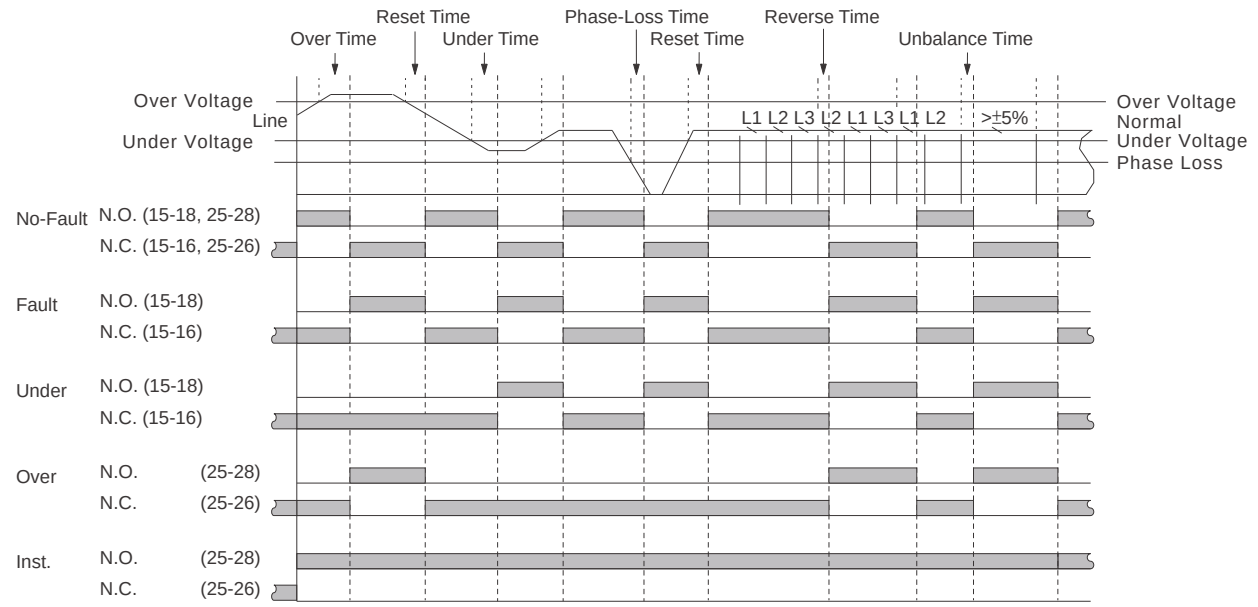
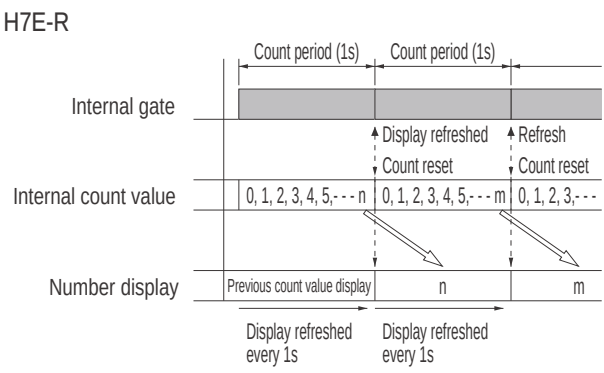
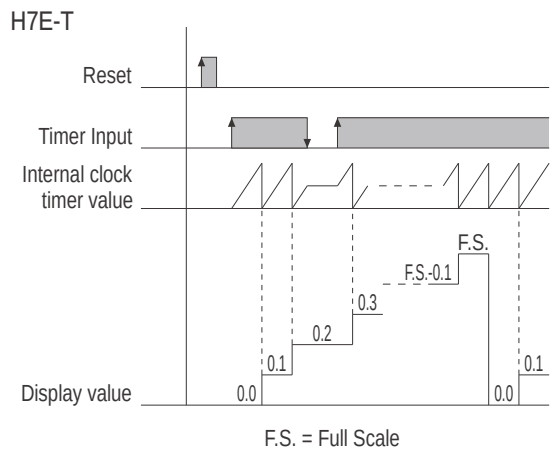
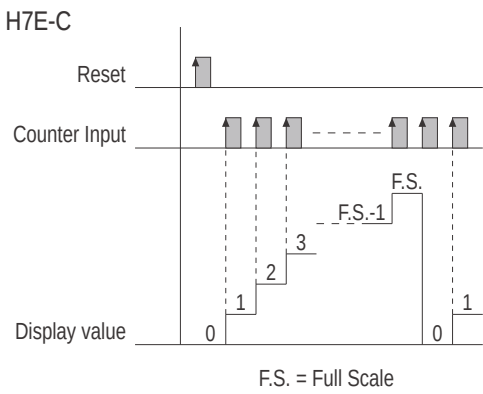
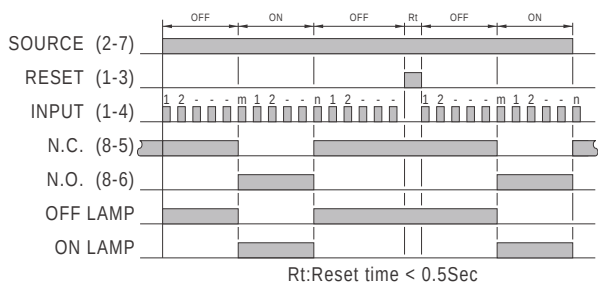
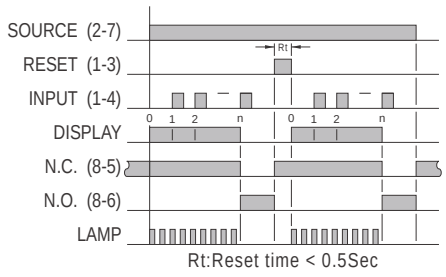


Output mode Q : Present value runs continuously through 1-shot time period and returns to reset start status immediately afterward. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.

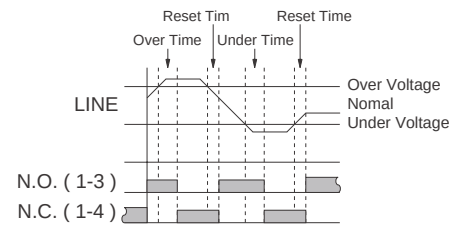


Output mode A : Present value and output 1 maintain status until reset. Output 1 and 2 operate independently.

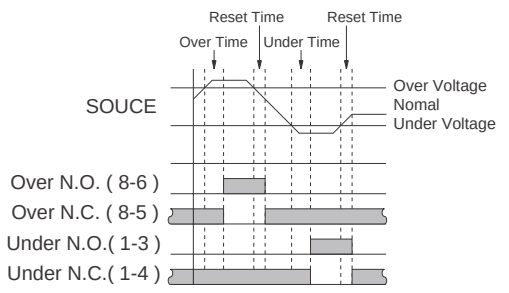




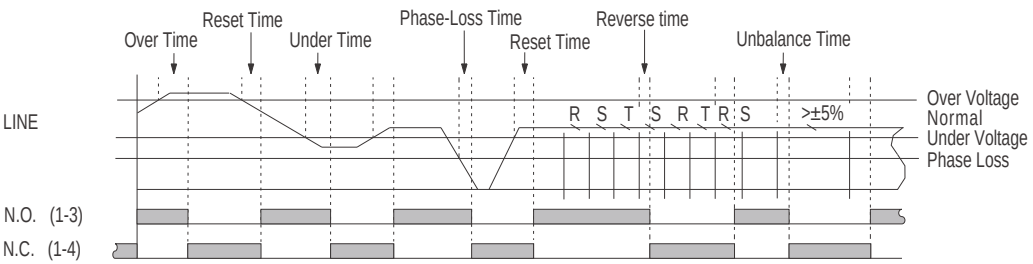
AEVR-NPD/ -YPD/ -NLD/ -YLD



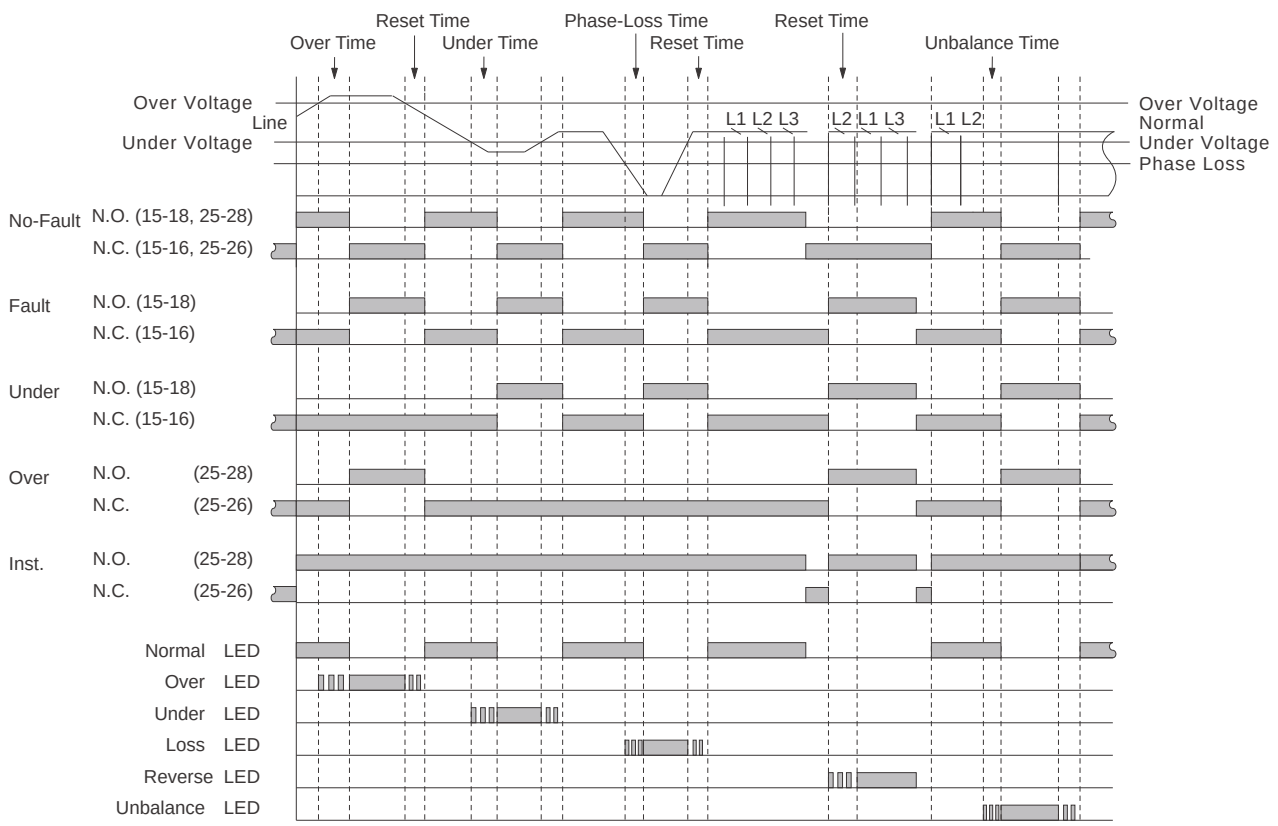
AEVR-ND/ -YD



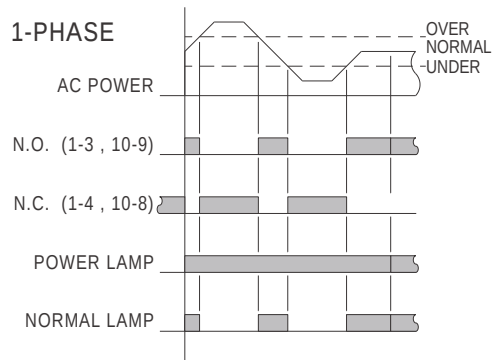
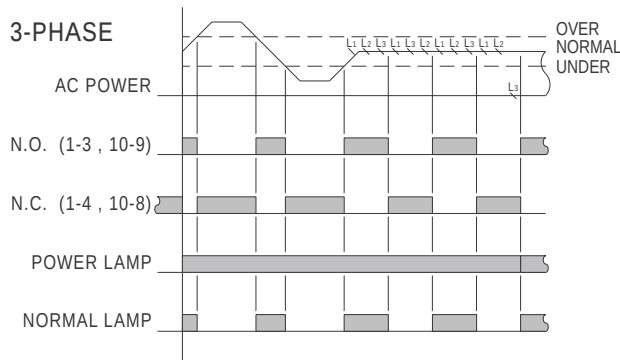
AEVR-□□□



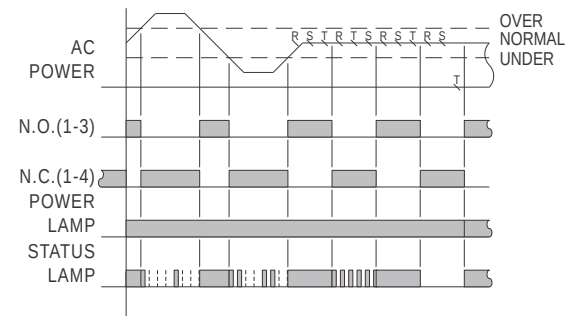
EP4-2□



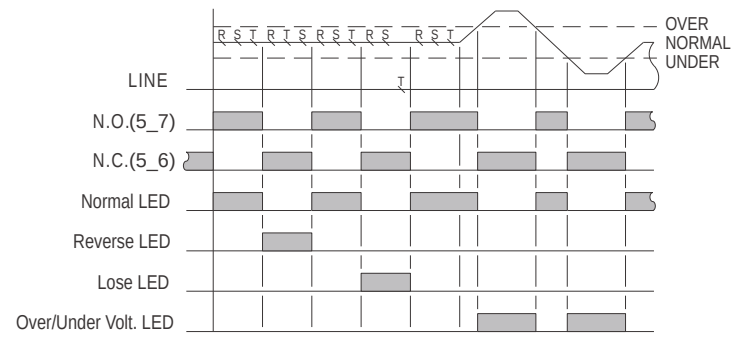
AVR



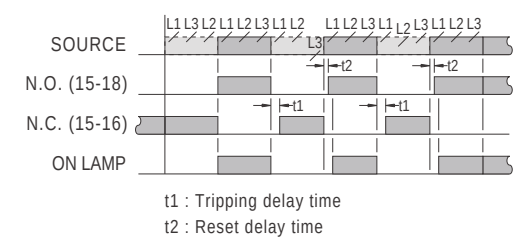
AVM-NK



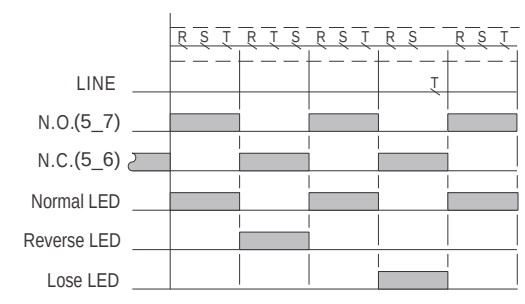
APR-4V-□□□□-□□□

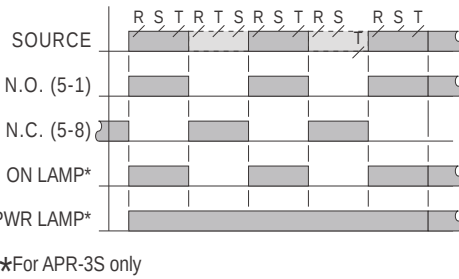
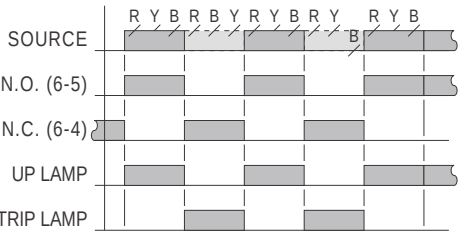
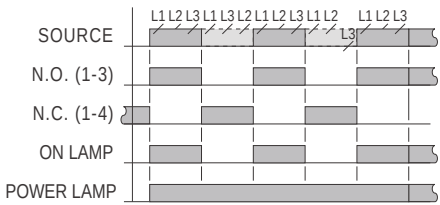


EP2-1□□□

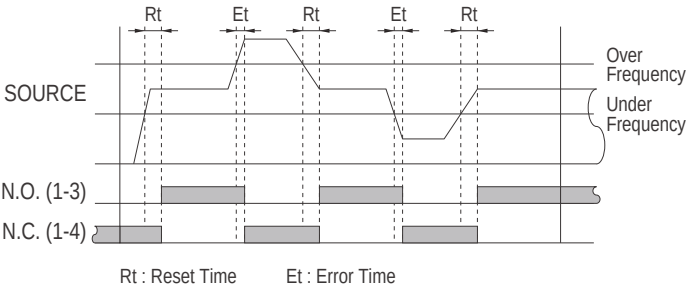


APR-4S

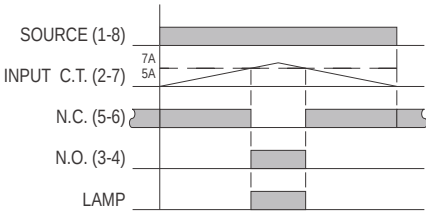




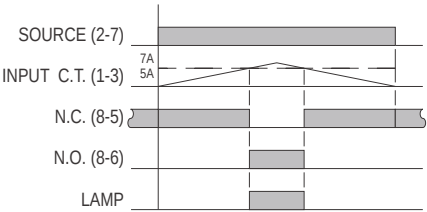
*For APR-3S only



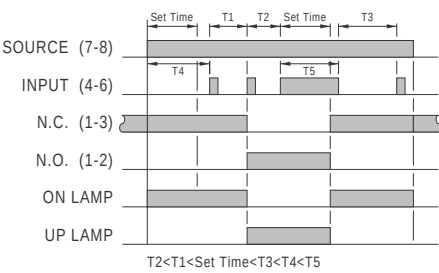
ACR-N



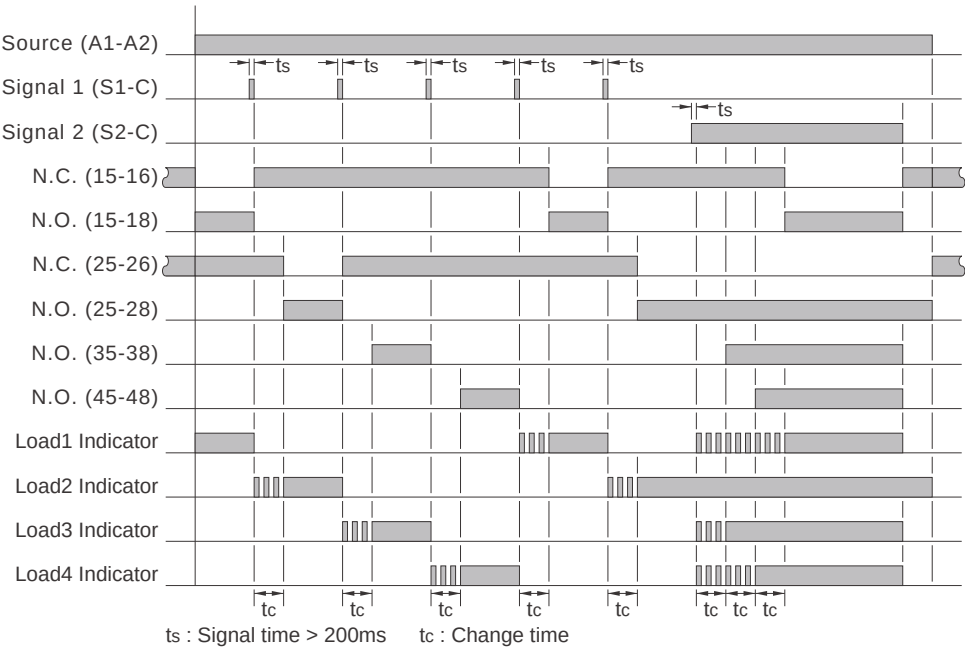
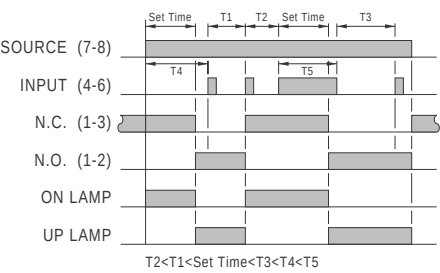
ACR-NT



FOR

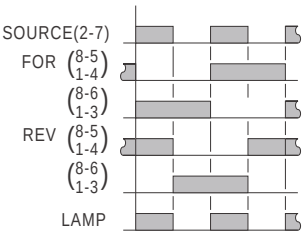


REV

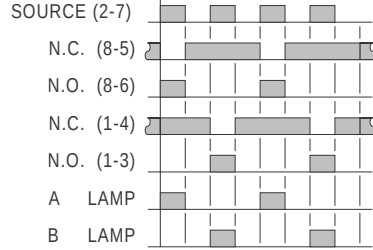


AG4Q-K / AG4Q-S / AG4Q-J

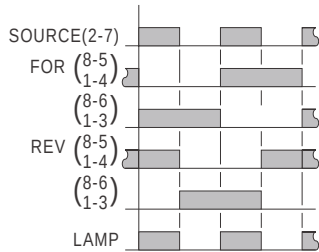
AG4Q-K/ -S



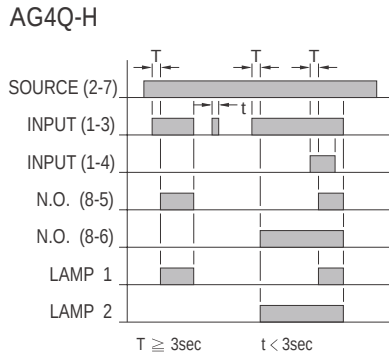
AG4Q-J



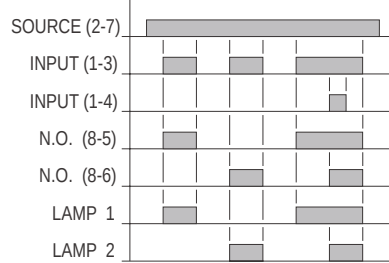
AG4Q-212S



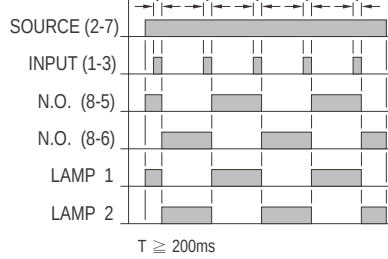
AG4Q-H



AG4Q-H3

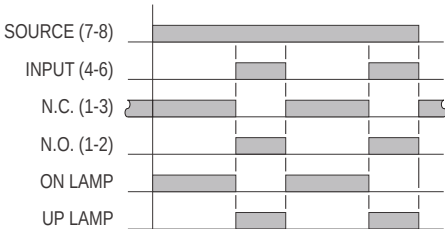


AG4Q-HS

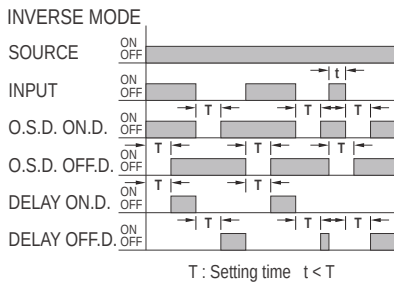
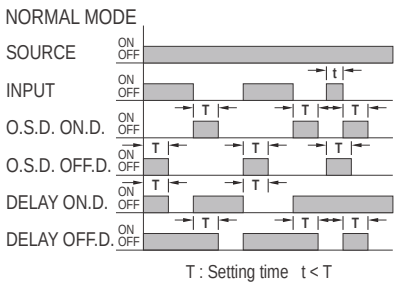


PU-NA / -NB / -NC / -NE

PU-NA/ -NB/ -NC

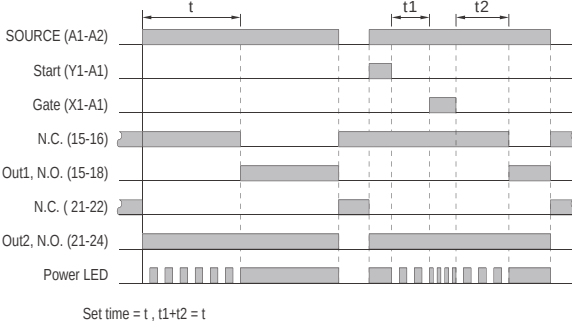


PU-NE

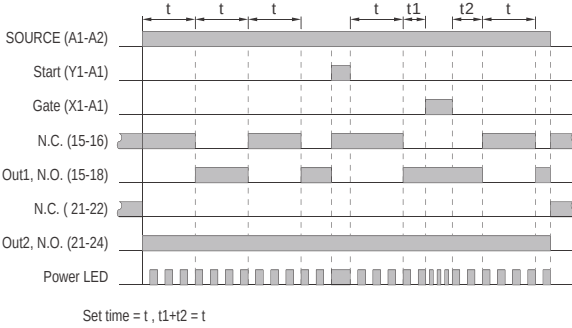


ET2-31

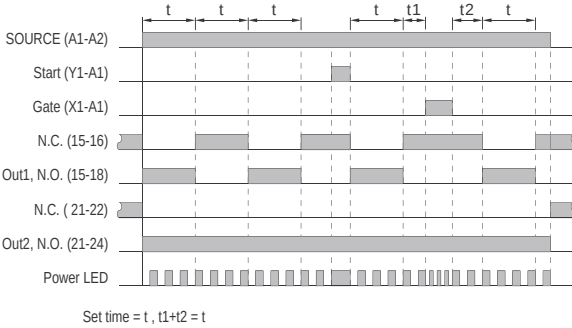
Output mode A : ON delay



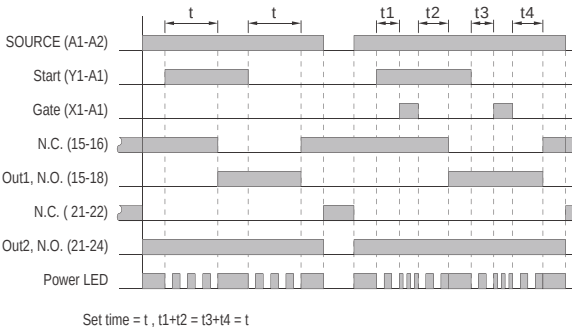
Output mode B : Repeat cycle OFF start



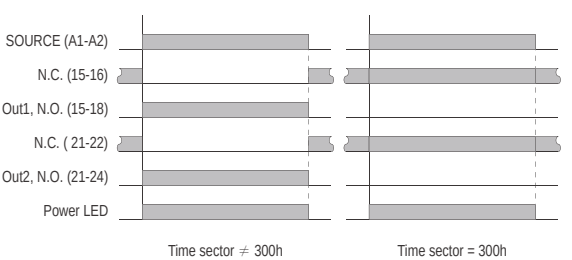
Output mode B3 : Repeat cycle ON start



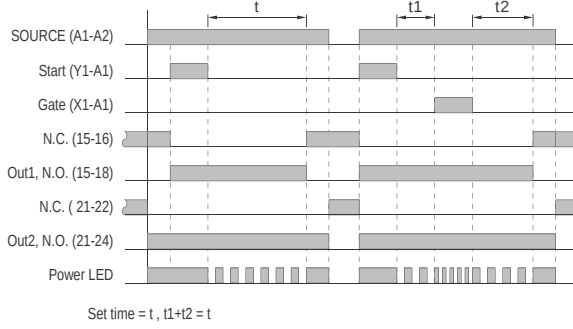
Output mode C : Signal ON/OFF delay



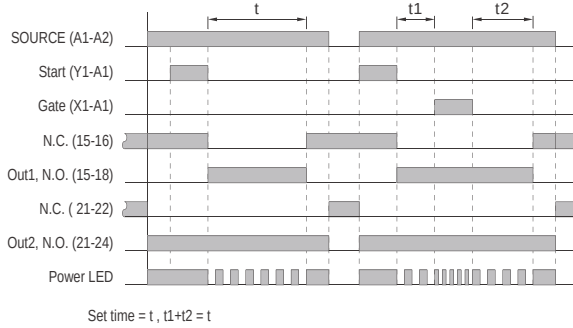
Output mode M : ON/OFF Function



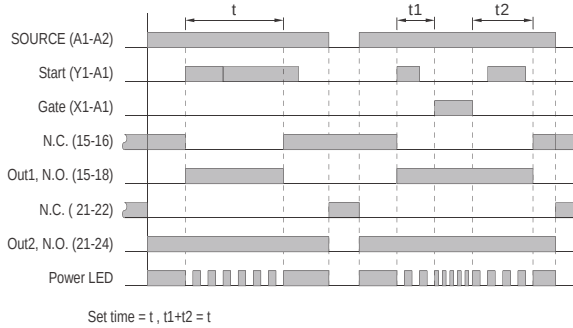
Output mode D : Signal OFF delay(Signal ON Output)



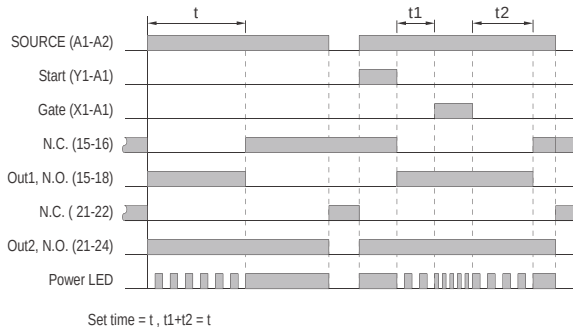
Output mode D1 : Signal OFF delay(Signal OFF Output)



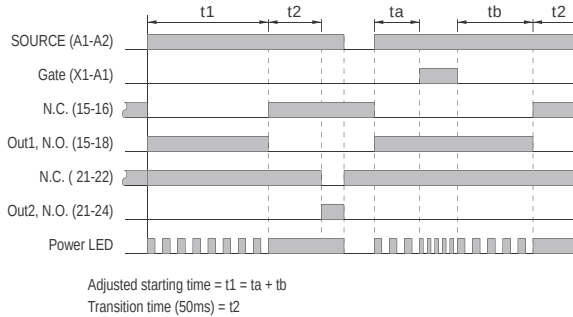
Output mode E : Interval(Signal ON delay)



Output mode E1 : Interval(Signal OFF delay)



Output mode S : Start-delta change-over

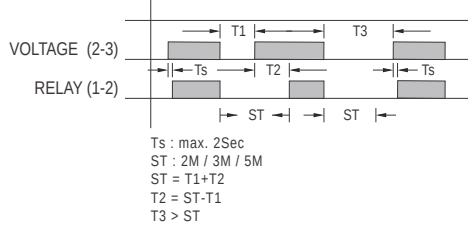




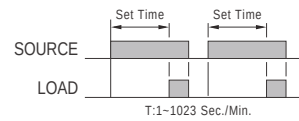
TIMING CHART

SST-3 / SST-4

SST-3

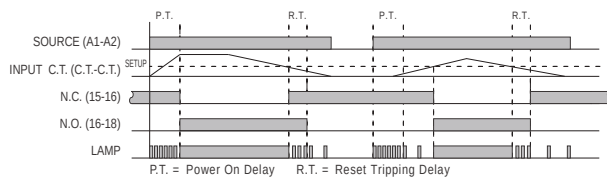


SST-4

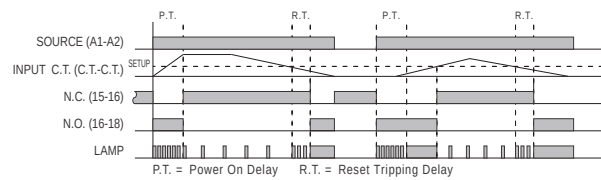


EP2-3

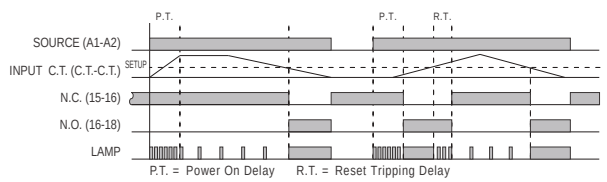
1. Over Current, Fault, Power On Delay



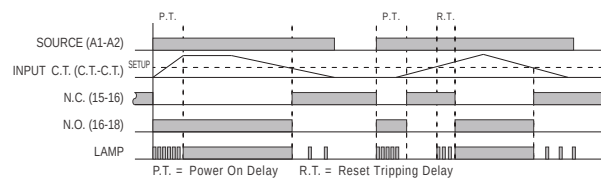
2. Over Current, On Fault, Power On Delay



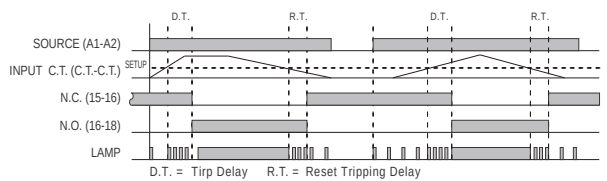
3. Under Current, Fault, Power On Delay



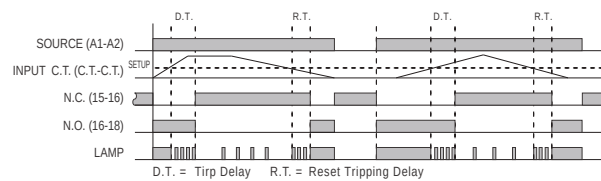
4. Under Current, On Fault, Power On Delay



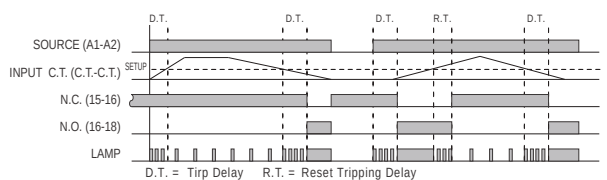
5. Over Current, Fault, Trip Delay



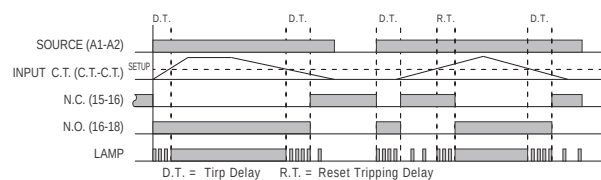
6. Over Current, On Fault, Trip Delay



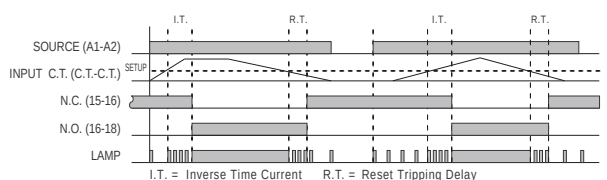
7. Under Current, Fault, Trip Delay



8. Under Current, On Fault, Trip Delay



9. Over Current, Fault, Inverse Time Current



A. Over Current, On Fault, Inverse Time Current

