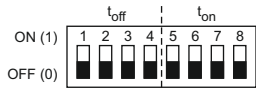


Operating voltage 24 .. 300V AC/DC (T1-LR, T1-XS, PH1-20L, SD1-24, SD1C-24)
150 .. 500V AC/DC (SD1, SD1C)

Adjustment values

Time range :
(T1-LR)

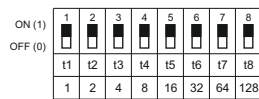


t_{off} (1,2,3,4) t_{on} (5,6,7,8)

0000 : 1 second	1000 : 10 minutes
0001 : 5 seconds	1001 : 30 minutes
0010 : 10 seconds	1010 : 1 hour
0011 : 20 seconds	1011 : 5 hours
0100 : 30 seconds	1100 : 10 hours
0101 : 60 seconds	1101 : 30 hours
0110 : 100 seconds	1110 : 100 hours
0111 : 5 minutes	1111 : 10 days



t_{on}, t_{off} multiplier values :
(T1-LR)
 t_{on}, t_{off} time adjustment :
(T1-LR)



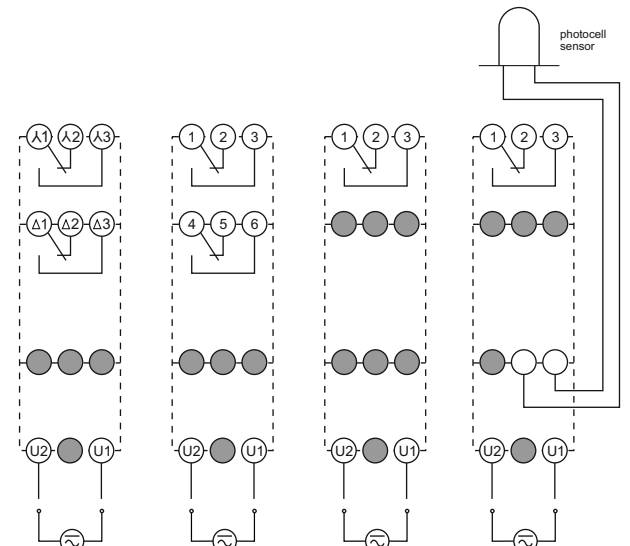
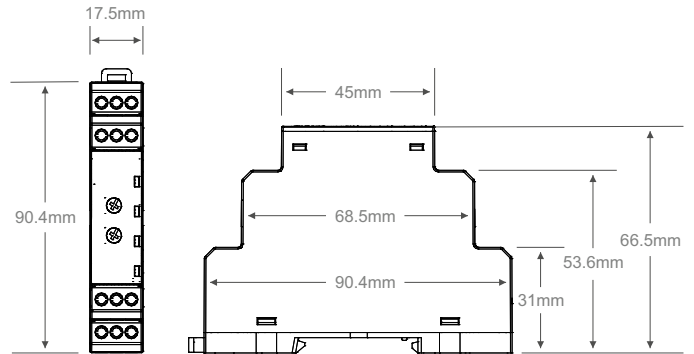
multiplier values (t_m) :
(T1-XS)
addition values (t_a) :
(T1-XS)
 t_{off} time adjustment :
(T1-XS)

time adjustment ranges :
(All SD1 and SD1C)

time adjustment ranges :
(PH1-20L)

Output contact	1 C/O (T1-XS, PH1-20L, SD1C, SD1C-24) 2 C/O (T1-LR, SD1, SD1-24)
Maximum switching current	10A
Maximum switching voltage	250V AC
Maximum switching power	1250VA
Lux adjustment range (PH1-20L)	1-20 lux
Sensor cable length (PH1-20L)	2 x 10m
Operating temperature	-20°C .. 60°C
Storage temperature	-40°C .. 75°C
Protection class	IP20
Connection	Rail mounted

type	output contact	time adjustment range	order no
PH1-20L	1	1 .. 45sec	270 050
T1-LR	2	0.1sec .. 10day	270 356
T1-XS	1	0 sec .. 2559sec	270 357
SD1	2	1 .. 30sec, 20 .. 500msec	270 358
SD1-24	2	1 .. 30sec, 20 .. 500msec	270 362
SD1C	1	1 .. 30sn, 20 .. 500msn	270 364
SD1C-24	1	1 .. 30sn, 20 .. 500msn	270 365

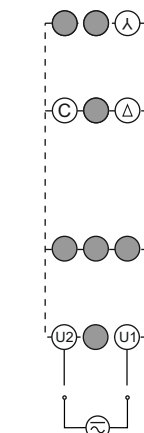


150..500V ac/dc
24..300V ac/dc
SD1 / SD1-24

24..300V ac/dc
T1-LR

24..300V ac/dc
T1-XS

24..300V ac/dc
PH1-20L



150..500V ac/dc
24..300V ac/dc
SD1C / SD1C-24

DEVICE	FUNCTION DEFINITION	FUNCTION DESCRIPTION
T1-LR (Left-right relay)		Initially first relay is energized. After the adjustable time delay t_{on} relay is de-energized. Both relays are de-energized during the adjustable time delay t_{off} . At the end of t_{off} second relay energizes. Second relay stays in this position during t_{on} . When t_{on} finished both relays are de-energized. This cycle is repeated continuously.
T1-XS (On-delay timer)		TR17-XS is an ON delay timer that allows a sensitive time setting from 0 to 2559 second with 1 second increments. The output relay is initially de-energized and energized after the time delay t is expired.
SD1 (Star-delta relay)		When energy applied to device, star relay is energized until the end of the adjustable t_s time. At the end of the adjusted delay time $t_{s-\Delta}$, delta relay is energized until the device is powered off.
PH1-20L (Photocell relay)		PH1-20L photocell relay measures the luminous intensity by means of a photocell sensor. On-off threshold value is adjusted in the range of 1-20 lux, via the front adjustment dial. The output relay is energized when the ambient light level is below the adjusted limit. On and off delays are adjustable between 1 and 45 seconds, via the front panel knobs. On delay is adjusted by t_m knob, and off delay is adjusted by t_{off} knob.

Warning : If adjustments are accomplished after device is turned on, operator should power down the device, wait at least 0.3 seconds and power up the device (except PH1-20L).