

Protection class

Connection

T1-LR (Left-right relay) , T1-XS (Timer) , SD1 (Star-delta relay) , PH1-20L (Photocell relay)

24 .. 300V AC/DC (T1-LR, T1-XS, Operating voltage PH1-20L , SD1-24, SD1C-24) 150 .. 500V AC/DC (SD1, SD1C) Adjustment values Time range : (T1-LR) ON (1) 1 2 3 OFF (0) t_{off} (1,2,3,4) ,t_{on} (5,6,7,8)
 Off (1.2.3.4) *Gn (3.0.7.8)

 0000 : 1 second
 1000 : 10 minute

 0001 : 5 seconds
 1001 : 30 minute

 0010 : 10 seconds
 1010 : 1 hour

 0011 : 20 seconds
 1011 : 5 hours

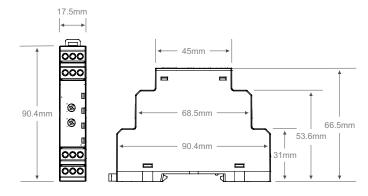
 1000 : 30 seconds
 1100 : 10 hours

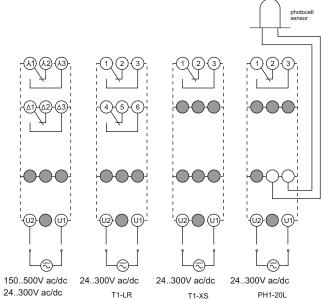
 0101 : 60 seconds
 1101 : 30 hours

 0110 : 100 seconds
 1111 : 10 doys

 0111 : 5 minutes
 1111 : 10 days
 t_{on}, t_{off} multiplier values : 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 (T1-LR) 0.9 - 1t_{on}, t_{off} time adjustment : (time range) x (multiplier) (T1-LR) 1 2 3 4 5 6 7 8 t1 t2 t3 t4 t5 t6 t7 t8 1 2 4 8 16 32 64 128 multiplier values (t_m) : (T1-XS) 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 addition values (t_a) : (T1-XS)0-1-2-3-4-5-6-7-8-9 t_{off} time adjustment (t1 + t2 + t3 + t4 + t5 + t6 + t7 + t8) x t_m + t_a t_λ: 1.. 30 second (star time) (All SD1 and SD1C) $t_{\lambda-\Delta}$: 20 .. 500 milisecond (star-delta delay) time adjustment ranges : (PH1-20L) 1 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 45 second 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 1250VA Maximum switching power Lux adjustment range (PH1-20L) 1-20 lux Sensor cable length (PH1-20L) 2 x 10m Operating temperature -20°C .. 60°C -40°C .. 75°C Storage temperature

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





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-(U2)-(D1)-

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

SD1C / SD1C-24

D1	/	S	D	1-	2

DEVICE	FUNCTION DEFINITION	FUNCTION DESCRIPTION		
T1-LR (Left-right relay)	Un: From + Tom +	Initially first relay is energized. After the adjustable time delay t_, relay is de-energized. Both relays are de-energized during the adjustable time delay t_, At the end of t_, second relay energizes. Second relay stays in this postion during t_, When t_, finished both relays are de-energized. This cycle is repeated continuously.		
T1-XS (On-delay timer)	Un: R: +T _{orr} +	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)	Un: R _A :	When energy applied to device, star relay is energized until the end of the adjustable t, time. At the end of the adjusted delay time $l_{x,x}$ delta relay is energized until the device is powered off.		
PH1-20L (Photocell relay)	Un: Light level (lux) ON: L1: L2: FT _{OR} FT _{OR}	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 _m knob, and off delay is adjusted by t _m knob.		

IP20

Rail mounted

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).