

TYPE	TM P	TM M1	TM M2	TM PL	TM D	TM ST	TM LS
DESCRIPTION							
	On delay	Programmable multifunction	Programmable multifunction timing	Asymmetrical recycle	True off delay	For starting	Staircase illumination
	Multiscale	Multiscale	Multiscale	Multiscale	Multiscale	Multiscale	Single scale
	Multivoltage	Multivoltage	Multivoltage	Multivoltage	Multivoltage	Multivoltage	Single voltage
CONTROL CIRCUIT							
Rated auxiliary supply voltage U_s	24-48VDC 24-240VAC	12-240VAC/DC			24-240VAC/DC	24-48VDC 24-240VAC 380-440VAC	220-240VAC
Rated frequency	50/60Hz						
Operating voltage range	0.85-1.1 U_s						
Power consumption (maximum)	1.2VA/0.8W max (24...48VAC/DC) 16VA/0.9W max (110...240VAC/DC)	0.6VA/0.3W max (12...48VAC/DC) 1.6VA/1.2W max (110...240VAC/DC)	1.1VA/0.8W max (12...48VAC/DC) 1.8VA/1.2W max (110...240VAC/DC)	0.6VA/0.3W max (12...48VAC/DC) 1.6VA/1.2W max (110...240VAC/DC)	0.1VA/0.1W (24...48VAC/DC) 1.1VA/0.8W (110...240VAC/DC)	1.2VA/0.8W max (24...48VAC/DC) 1.6VA/0.9W max (110...240VAC)	De-energised 5VA/0.5W max Energised 12VA/0.8W max
TIMING CIRCUIT							
Time setting range	Multiscale 0.1-1s 1-10s 6s-60s 1-10min 6min-1h 1-10h 0.1-1day 1-10days ON only OFF only		Multiscale 0.1-1s 1-10s 6s-60s 1-10min 6min-1h 1h-10h 0.1-1day 1-10days 3-30days 10-100days		Multiscale 0.06-0.6s 0.6-6s 6s-60s 18s-180s	Multiscale 0.1-1s 1-10s 6s-60s 1-10min	Multiscale 0.5-20min
Setting accuracy	< $\pm 9\%$						
Repeat accuracy	< $\pm 0.1\%$	< $\pm 0.5\%$	< $\pm 0.2\%$		< $\pm 0.5\%$		
Influence of voltage variation	< $\pm 0.01\%$						< $\pm 0.5\%$
Average variation of set delays related at -20°C to $+20^\circ\text{C}$ condition	< $\pm 0.2\%$						< $\pm 0.25\%$
Minimum power time	—	—	—	—	$\geq 200\text{ms}$	—	—
Minimum ON time	—	25ms (no maximum limit)			—	—	$\geq 60\text{ms}$ (no max lim.)
Resetting during timing time	$\geq 100\text{ms}$		$\geq 100\text{ms}$		—	$\geq 100\text{ms}$	$\geq 100\text{ms}$
Resetting elapsed time	$\geq 50\text{ms}$		$\geq 50\text{ms}$		—	$\geq 50\text{ms}$	—
Immunity time for microbreakings	$\leq 50\text{ms}$	$\leq 25\text{ms}$	$\leq 15\text{ms}$	$\leq 25\text{ms}$	—	$\leq 40\text{ms}$ ①	$\leq 20\text{ms}$
RELAY OUTPUTS							
Contact arrangement	1 delayed changeover		1 inst./delayed N/O + 1 delayed c/o	1 delayed changeover		2 delayed N/O	1 delayed N/O
Maximum switching voltage	250VAC						
IEC conventional free air thermal current (I _{th})	8A			5A		8A	16A
UL/CSA and IEC/EN 60947-5-1 designation	B300						16A AC1 240VAC
Electrical life (with rated load)	10^5 cycles						
Mechanical life	30×10^6 cycles						
Tightening torque maximum	0.8Nm (7lbin; 7-9lbin per UL)						
Conductor section min-max	0.2-4mm ² (24-12 AWG; 12-18 AWG per UL)						
INSULATION (input-output)							
IEC rated insulation voltage	250V						
IEC rated impulse withstand voltage	4kV						
IEC power frequency withstand voltage	2kV						
AMBIENT CONDITIONS							
Operating temperature	$-20 \dots +60^\circ\text{C}$						
Storage temperature	$-30 \dots +80^\circ\text{C}$						
Housing material	Self-extinguishing polyamide						

① Used at 24-48VDC or 24-240VAC; $\leq 30\text{ms}$ at 380-440VAC.

NOTE: N/O = normally open / SPST

c/o = changeover / SPDT; inst. = instantaneous.