



Product Features

- Suitable for screw mounting(except ST4-M1).
- 7 segment display indication for channel and timing operation (except ST-4M1).
- User friendly programming for ON/OFF time selection independently (except ST-4M1).
- Hold /Restart feature is available during power failure, Over voltage protection(except ST-4M1).
- ST-6M1 / ST-10M2 / ST-10M1 : pulse start signal.
- ST-15M2 / ST-4M1 : continuous start signal.
- S1D-C8M3 : Comprises of 8 Relays and each relay can be programmed for maximum of 8 switchings in a cycle.
- Potential free (Zero volts) continuous start signal and continuous signal from differential pressure switch is mandatory for operating the timer.

Specifications

Model	ST6-M1	ST10-M1	ST10-M2
Function	Sequential timer with 6 channels	Sequential timer with 10 channels	
Rated supply voltage	85V to 270V AC, 85V DC to 270V DC		
Differential pressure signal (DP1, DP2)	N.A		
Rated frequency	50 / 60Hz \pm 5%		
Power consumption	AC approx.15VA / 3W		
Control Output	6 - (Rly0 to Rly5, NO relay contacts rated for 10A@250V AC / 28V DC resistive)	10 - (Rly0 to Rly9 NO relay contacts rated for 10A@250V AC / 28V DC resistive)	10 - (OP0 to OP9) Triac outputs rated for 500mA@250V AC resistive
Start signal (S1, S2)	Potential free closure signal for minimum 150msec	Potential free closure signal for minimum 120msec	Potential free closure signal for minimum 150msec
Conduction time (O1, O2)	> 150msec	> 120msec	>150msec
Time range	On time: 0.10secs to 99hrs 59min. Off time: 0.10secs to 99hrs 59min.		On time: 0.01secs to 99hrs 59min. Off time: 0.01secs to 99hrs 59min
Setting accuracy	\pm 0.1% max w.r.t setting \pm 50msec		\pm 0.2% max w.r.t setting \pm 20msec
Repeat accuracy	\pm 0.05% max. \pm 50msec		\pm 0.3% max. \pm 20msec
Recovery time	2sec minimum		2sec minimum
Variation due to voltage change	\pm 1% max \pm 50msec		\pm 1% max \pm 50msec
Variation due to temp. change	\pm 2% max \pm 50msec		\pm 2% max \pm 50msec
Variation due to frequency change	\pm 1% max \pm 50msec		\pm 1% max \pm 50msec
Ambient temperature	Operation: -10°C to +55°C, Storage: -25°C to +80°C		
Humidity	Max. 85% RH @ 40°C		
Service life (under no load)	10 ⁶ operations minimum		N.A
Electrical life (under full load)	10 ⁵ operations minimum		
Rated frequency of operation	1800 \pm 5% operations per hour maximum		
Insulation resistance	> 100M ohms @ 500V DC		
Di-electrical strength	2.5KV AC, 50Hz for 1minute. (Between current carrying and non-current carrying parts). 1.5KV AC, 50Hz for 1minute. (Between contacts and control circuit). 750VAC, 50Hz for 1minute. (Between non-continuous contacts of the relay).		N.A
Electrical connection	Screw type terminals with self lifting clamps		
Dimension (over-all)	200 x 130 x 45mm (W x H x D)		
Enclosure (series)	S1D series		