

# Sequential Timer With 8 Channel ST-8M1

## Sequential Timer

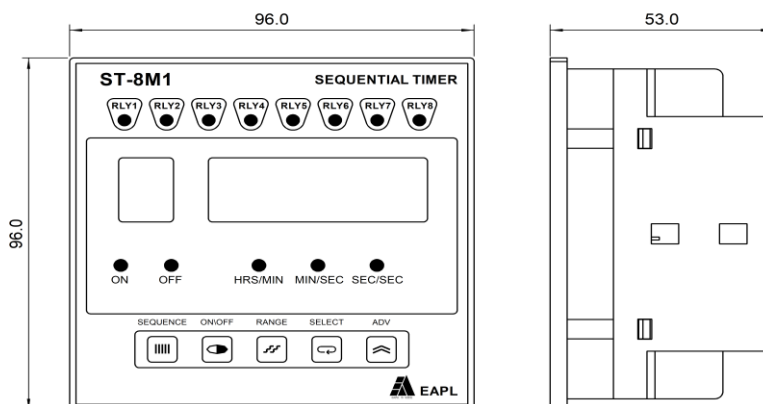
- State of art micro control design.
- Suitable for Panel mounting
- Hold /Restart feature is available during power failure
- 7 segment display indication for channel and timing operation.
- User-friendly programming of On / Off time selection for each relay
- Multiple units can be cascaded to obtain more channels
- Unit can be configured to have repeat cycle operation or single cycle operation.
- Terminals for potential free pulse signal are available for timing initiation.



## Functions

Sequential Timer ST-8M1 is a multi-channel control device which operates pre-defined loads in sequence without overlapping for a pre-defined time between two pre-defined time gaps.

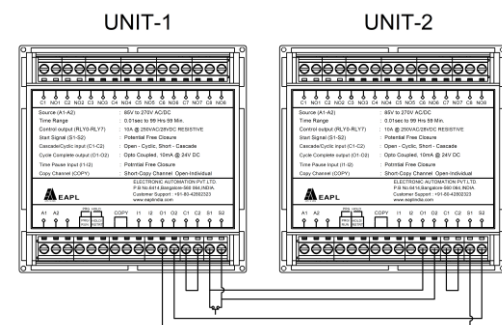
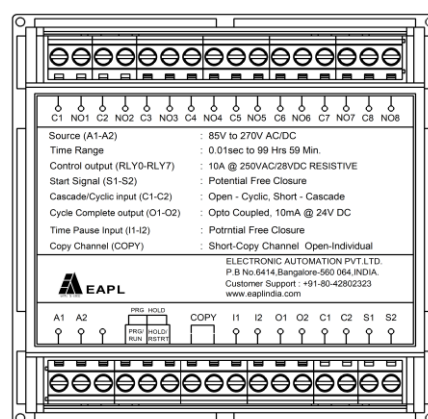
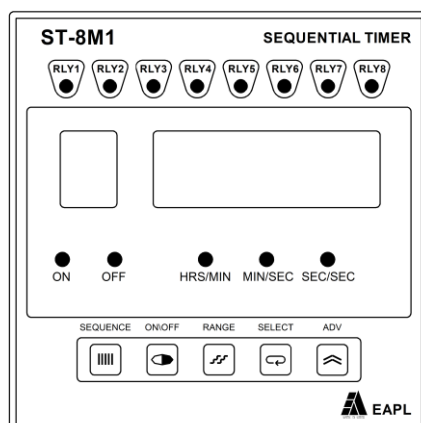
## Dimension



Front View

Rear View

Wiring



## Specifications

### ■ Ratings

Rated supply Voltage	85-270V AC/DC
Control output	8 (RLY1 to RLY8, 'NO' relay contacts rated for 10A @ 250V AC/28VDC resistive )
Ambient operating temperature	-10°C to + 55°C
Storage temperature	-25°C to + 80°C
Humidity	Max 85% RH @ 40°C
Power Consumption	AC: 15VA Approx. DC: 3W Approx.
Start Signal(S1,S2)	Potential free closure for a minimum of 120mSec
Conduction Time(O1,O2)	>120mSec
On Time Range	0.1Sec to 99Hrs 59Min for each channel
Off Time Range	0.1Sec to 99Hrs 59Min for each channel

### ■ Characteristics

Setting Accuracy	± 0.1% max. w.r.t Setting ± 50mSec
Repeat Accuracy	0.05% max. ± 50mSec
Recovery Time	2Sec minimum
Variation due to voltage change	± 1% max. ± 50mSec
Variation due to temperature change	± 2% max ± 50mSec
Variation due to frequency change	± 1% max. ± 50mSec
Rated frequency of operation	1800 ± 5% operations per hour max.
Insulation resistance	>100M ohms @500V DC
Service life (under no load)	10 <sup>6</sup> operations minimum
Electrical life (under full load)	10 <sup>5</sup> operations minimum
Dielectric strength	a) 2.5KV AC, 50Hz for 1 minute. (Between current carrying & non-current carrying parts)
	b) 1.5KV AC, 50Hz for 1 minute. (Between contacts & control circuit)
	c) 750V AC, 50Hz for 1 minute. (Between non-continuous relay contacts)
Dimension	96 x 96 x 53 (W x H x D)
Electrical Connection	Screw type terminals with self lifting clamps