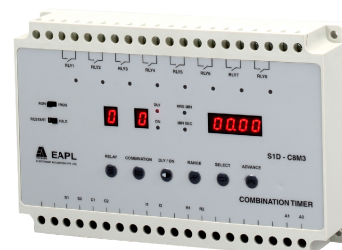


## Combination Timers S1DC8-M3

### Features

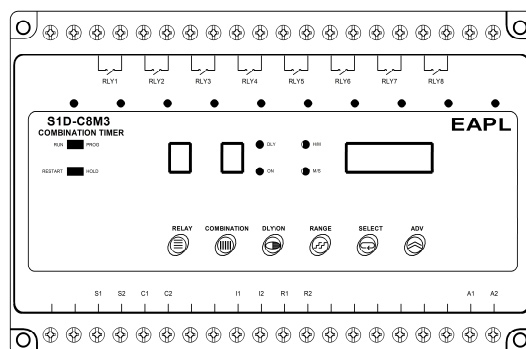
- State of art micro control design.
- Hold / Restart feature is available during power failure.
- 7 segment display indication for channel, Combination and time setting.
- Suitable for screw mounting.
- These units come with user-friendly programming for Delay/ On time selection Independently.
- Time Inhibit - user can pause time with relay status remaining in current status
- Unit can be configured to have repeat cycle operation or single cycle operation
- Terminals for potential free pulse signal are available for timing initiation.
- Erasing of entire programs is possible by shorting reset terminals.
- 



### Ordering Information

Models	Function	Source Voltage	Time selection	Output
S1DC8-M3	Combination Switching 8 channels, 8 Combination	85V to 270V AC / DC	1sec to 99hrs 59mins 59 Secs	1C/O NO Relay for each Channel

### Front View



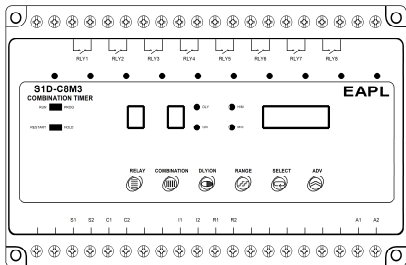
### Over-all Dimension

Models	Dimension Details in mm		
	W	H	D
S1DC8-M3	200	130	45

## ■ Specifications

Model	S1DC8-M3
Function	Combination Switching of Outputs.
Rated supply Voltage	85V TO 270V AC/DC
Rated frequency	50 / 60Hz $\pm$ 5%
Power consumption	AC Approx. 20VA DC Approx. 10W
Control output	8 (8 NO contacts rated for 5A @ 250V AC/28VDC resistive load)
Start Signal	Potential free closure for a minimum of 250mSec.
Reset Signal	Potential free closure
Time range	1Sec to 99Hrs 59Min 59Sec For Delay & ON
Setting accuracy	$\pm$ 0.2% $\pm$ 50mSec.
Repeat accuracy	$\pm$ 0.2% $\pm$ 50mSec.
Recovery time	2Sec minimum
Variation due to voltage change	$\pm$ 1% max. $\pm$ 50mSec.
Variation due to temperature change	$\pm$ 2% max. $\pm$ 50mSec.
Variation due to frequency change	$\pm$ 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 <sup>6</sup> operations minimum
Electrical life (under full load)	10 <sup>5</sup> operations minimum
Insulation resistance	>100M ohms @ 500V DC
Dielectric strength	01) 2.5KV AC, 50Hz for 1 minute. (Between current carrying & non-current carrying parts) 02) 1.5KV AC, 50Hz for 1 minute. (Between contacts & control circuit) 03) 1KV AC, 50Hz for 1 minute. (Between non-continuous relay contacts)
Electrical connection	Screw type terminals with self lifting clamps
Dimension	200 x 130 x 45 mm (W x H x D)
Enclosure (series)	S1D series

## Connection and Terminal Details

	Connection Details	Terminal Details
S1DC8-M3		<p><b>A1,A2</b> : Source</p> <p><b>S1-S2</b> : Start signal for a minimum of 150mS.</p> <p><b>C1-C2</b> : SHORT – Single cycle operation (i.e. timer stops at the end of first cycle) OPEN – Cyclic operation (i.e. timer continues to operate).</p> <p><b>I1-I2</b> : Time Pause Input. By shorting these terminals timing is temporarily stopped and relay status is maintained, again by opening timing continues.</p> <p><b>R1- R2</b> : PROGRAM RESET: After shorting these terminals slide PROG/RUN switch to PROG Mode. This will erase all previously programmed .On time &amp; delay time settings.</p> <p><b>HOLD MODE</b>: Continue the timing after resumption of interrupted power &amp; balance time is executed.</p> <p><b>RESTART MODE</b> : After the resumption of interrupted power, timer waits for fresh start signal.</p>