



mm inch

Type	Button position			
10min type	1S	10S	1M	10M
10min type	3S	30S	3M	30M
10h type	1M	10M	1H	10H
30h type	3M	30M	3H	30H

- Four time ranges – each with 4 maximum time settings
- High speed subsecond timing available
- Indicator LED is provided for operation
- UL/CSA and LLOYD recognized

SPECIFICATIONS

Timing

Time accuracy (max.)	Operating time fluctuation & Power off time change error	[Except 1s range]: $\pm 0.5\%$ [1s range]: $\pm(0.5\%+10\text{ms})$ (power off time change at the range of 0.1 s to 1 h)
	Temperature error	$\pm 2\%$
	Voltage error	[Except 1s range]: $\pm 0.5\%$ [1s range]: $\pm(0.5\%+10\text{ms})$
	Setting error	$\pm 10\%$
Min. power off time		100ms

Characteristics

Type	AC type	DC type
Rated operating voltage	24V, 110 to 120V, 208 to 240V	12V, 24V
Operating voltage range	80 to 110% of rated operating voltage	
Rated frequency	50/60Hz common	—
Power supply ripple	—	Full-wave rectified (Approx. 48%)
Rated power consumption	Max. 3VA	Max. 2W
Rated control capacity (resistive)	10A 250V AC	
UL/CSA rating	Pilot Duty C300, 10A 1/6HP 125, 250V AC, 3A 30V DC	
Output arrangement	Timed-out 2 Form C	
Initial contact resistance, max. (By voltage drop 6V DC 5A)	50m Ω	
Expected life (min. operations)	Mechanical	5×10^7
	Electrical (resistive)	2×10^5
Initial insulation resistance (At 500V DC)	Min. 100M Ω Between input and output Between contact sets Between contacts	
Initial breakdown voltage	2000Vrms for 1min Between live and dead metal parts 2000Vrms for 1min Between contact sets 1000Vrms for 1min Between contacts	
Shock resistance	Functional	Min. 10G (4 times on 3 axes)
	Destructive	Min. 100G (5 times on 3 axes)
Vibration resistance	Functional	10 to 55Hz: 1 cycle/min double amplitude of 0.5mm (10min on 3 axes)
	Destructive	10 to 55Hz: 1 cycle/min double amplitude of 0.75mm (1h on 3 axes)
Max. temperature rise	55 deg.	
Ambient temperature	-10 to 50°C + 14 to +122°F	
Ambient humidity	Max. 85% RH	

ORDERING INFORMATION

Ex. **PMH** — **10M** — **AC120V**

Timer Type	Time range					Rated operating voltage
PMH: PMH Timer	10M	0.05 to 1s	0.5 to 10s	0.05 to 1min	0.5 to 10min	AC24V: 24V AC AC120V: 110 to 120V AC AC220V: 208 to 240V AC DC12V: 12V DC DC24V: 24V DC
	30M	0.15 to 3s	1.5 to 30s	0.15 to 3min	1.5 to 30min	
	10H	0.05 to 1min	0.5 to 10min	0.05 to 1h	0.5 to 10h	
	30H	0.15 to 3min	1.5 to 30min	0.15 to 3h	1.5 to 30h	

DIMENSIONS

Front view dimensions: 36 (1.417) width, 50 (1.969) height.

Side view dimensions: 34 dia. (1.339 dia.) top diameter, 59 (2.323) total height, 66.1 (2.602) main body length, 14.2 (.559) terminal length.

Detail view dimensions: 0.5 height, .2 width.

Wiring Diagram

Rated operating voltage

Timed out contact

Note: For the DC type, the No.2 terminal becomes (-).

OPERATION MODE

Power ON-delay	Timing operation will start when the power is supplied, and the control output turns on after the setting time.	
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Notes: Set time should be greater than min. operation time.
 Once power is cut off or the timing operation is completed, minimum power off time of 0.1s is needed to start the operation again.
 Do not change the set time during operation. When changing set time, cut off power and set the time.