

UL File No.: E59504 CSA File No.: LR39291



### Features

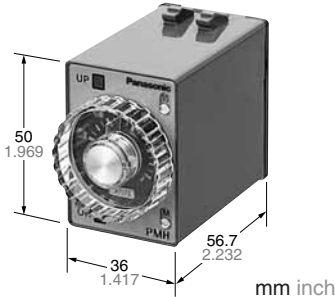
1. Various time range ..... 4 ranges in each type

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

2. 2 output types available ..... PMH type: Relay Timed-out 2 Form C

3. Indicator LED is provided for operation

4. UL/CSA recognized type available for PMH timers



RoHS Directive compatibility information  
<http://www.nais-e.com/>

## Specifications

Type	PMH Timers	
	AC operating type	DC operating type
Rated operating voltage	100 to 120V, 200 to 240V	12V, 24V
Rated frequency	50/60Hz common	—
Rated power consumption	Max. 3VA	Max. 2W
Rated control capacity	7A 250V AC (resistive load)	
Time accuracy (max.)	Operating time fluctuation & Power off time change error	
	[Except 1s range] : ±0.5%	
	[1s range] : ±(0.5%+10ms)	
	(power off time change at the range of 0.1 s to 1h)	
Time accuracy (max.)	Temperature error	
	±5%	
	Voltage error	
	[Except 1s range] : ±0.5%	
[1s range] : ±(0.5%+10ms)		
Setting error		±10% (Full-scale value)
Output arrangement		
Timed-out 2 Form C		
Contact resistance (Initial value)		
Max. 50mΩ (By voltage drop 6V DC 1A)		
Expected life (min. operations)	Mechanical (contact)	
	5 × 10 <sup>7</sup>	
Expected life (min. operations)	Electrical (contact)	
	2 × 10 <sup>5</sup> (at rated control capacity)	
Allowable operating voltage range		
80 to 110% of rated operating voltage		
Insulation resistance (Initial value)		
Min. 100MΩ		
Between input and output		
Between contact sets (At 500V DC)		
Between contacts		
Breakdown voltage (Initial value)		
2000Vrms for 1min Between input and output		
2000Vrms for 1min Between contact sets		
1000Vrms for 1min Between contact		
Min. power off time		
100ms		
Vibration resistance	Functional	
	10 to 55Hz: 1 cycle/min double amplitude of 0.5mm (10min on 3 axes)	
Vibration resistance	Destructive	
	10 to 55Hz: 1 cycle/min double amplitude of 0.75mm (1h on 3 axes)	
Shock resistance	Functional	
	Min. 98m/s <sup>2</sup> (4 times on 3 axes)	
Shock resistance	Destructive	
	Min. 980m/s <sup>2</sup> (5 times on 3 axes)	
Max. temperature rise		
55°C 131°F		
Ambient temperature		
-10 to 50°C +14 to 122°F		
Ambient humidity		
Max. 85% RH (non-condensing)		
Power supply ripple		Full-wave rectified (Approx. 48%)

## Product types

### ORDERING INFORMATION

Ex. **PMH** — **10M** — **AC120V**

Timer type	Time range					Rated operating voltage
	PMH Timer	10M	0.05 to 1s	0.5 to 10s	0.05 to 1min	
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	