

# Timer PMH Timer

\* Refer to our website for details of product.



RoHS compliance

1398

## Related Information

- General terms and conditions..... F-3
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- Options ..... P.1426



[panasonic.net/id/pidsx/global](http://panasonic.net/id/pidsx/global)

## Compact timers with four switchable time ranges

### Features

- Using a dedicated IC, the operation time variance is  $\pm 0.5\%$ .
- Using the slide, time range switching is easy. Moreover, the scale numbers on the dial and time units can be switched automatically.

Button position				
Type				
10 M type	0.05 S to 1.0 S	0.5 S to 10 S	0.05 M to 1.0 M	0.5 M to 10 M
30 M type	0.15 S to 3.0 S	1.5 S to 30 S	0.15 M to 3.0 M	1.5 M to 30 M
10 H type	0.05 M to 1.0 M	0.5 M to 10 M	0.05 H to 1.0 H	0.5 H to 10 H
30 H type	0.15 M to 3.0 M	1.5 M to 30 M	0.15 H to 3.0 H	1.5 H to 30 H

S: Sec, M: Min, H: Hours

- You can use for embedding if you use together with the appropriate flush type mounting frame designed for that purpose (sold separately).

Time selectable

### PRODUCT TYPES

Product name	Operating voltage	10 M type	30 M type	10 H type	30 H type
		Model No.	Model No.	Model No.	Model No.
PMH timer	100 to 120 V AC	PMH-10M-AC120V	PMH-30M-AC120V	PMH-10H-AC120V	PMH-30H-AC120V
	200 to 240 V AC	PMH-10M-AC220V	PMH-30M-AC220V	PMH-10H-AC220V	PMH-30H-AC220V
	12 V DC	PMH-10M-DC12V	PMH-30M-DC12V	PMH-10H-DC12V	PMH-30H-DC12V
	24 V DC	PMH-10M-DC24V	PMH-30M-DC24V	PMH-10H-DC24V	PMH-30H-DC24V
	48 V DC	PMH-10M-DC48V	PMH-30M-DC48V	PMH-10H-DC48V	PMH-30H-DC48V
	100 to 110 V DC	PMH-10M-DC100V	PMH-30M-DC100V	PMH-10H-DC100V	PMH-30H-DC100V

### Ordering information

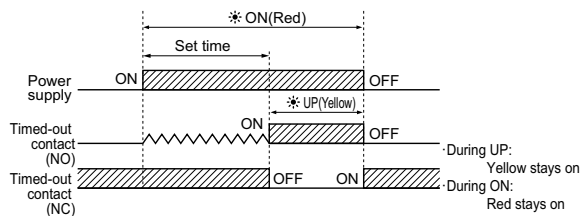
Ex. PMH — 10M — 120 V AC

Timer type	Time range					Rated operating voltage
	10M	0.05 to 1 s	0.5 to 10 s	0.05 to 1 min	0.5 to 10 min	
PMH Timer	30M	0.15 to 3 s	1.5 to 30 s	0.15 to 3 min	1.5 to 30 min	120 V AC: 100 to 120 V AC
	10H	0.05 to 1 min	0.5 to 10 min	0.05 to 1 h	0.5 to 10 h	220 V AC: 200 to 240 V AC
	30H	0.15 to 3 min	1.5 to 30 min	0.15 to 3 h	1.5 to 30 h	12 V DC: 12 V DC
						24 V DC: 24 V DC

### TIME RANGE

Time range	Scale intervals
1.0	0.05
3.0	0.1
10	0.5
30	1

### OPERATION MODE



### PRECAUTIONS DURING USAGE

- In order to maintain the characteristics of PHM timer, do not remove the case.
- Please use within an ambient temperature range of  $-10$  to  $+50\text{ }^{\circ}\text{C}$   $+14$  to  $122\text{ }^{\circ}\text{F}$  and in humidity no greater than 85 % RH.
- Prevent using PMH timer in such places where flammable or corrosive gas is generated, a lot of dust exists or considerable shock and vibration occur.
- Since the main body cover and knob are made of polycarbonate resin, prevent contact with organic solvents such as methyl alcohol, benzene and thinner, or strong alkaline materials such as ammonia and caustic soda.
- Do not make direct solder connections to the round pins.
- Carefully verify the terminal numbers when wiring the terminal socket and cap.
- When rotating the knob, note that there are stoppers located just past the "0" side and the full scale side. Therefore, do not use unreasonable force.
- Please use with a time setting that is no less than the minimum time limit. The minimum time limit is indicated on the dial by the mark.
- The contacts will not operate if the needle is adjusted to the "0" position when the power is off.
- Phase synchronization for AC load switching  
When timer output contact will be synchronized to the AC power phase, the electrical life may be compromised and locking (contact reset failure) may occur due to contact welding or contact transference. Therefore, please conduct tests using actual equipment.

FIBER SENSORS

LASER SENSORS

PHOTOELECTRIC SENSORS

MICRO PHOTOELECTRIC SENSORS

AREA SENSORS

SAFETY LIGHT CURTAINS / SAFETY COMPONENTS

PRESSURE / FLOW SENSORS

INDUCTIVE PROXIMITY SENSORS

PARTICULAR USE SENSORS

SENSOR OPTIONS

SIMPLE WIRE-SAVING UNITS

WIRE-SAVING SYSTEMS

MEASUREMENT SENSORS

STATIC CONTROL DEVICES

LASER MARKERS

PLC

HUMAN MACHINE INTERFACES

ENERGY MANAGEMENT SOLUTIONS

FA COMPONENTS

MACHINE VISION SYSTEMS

UV CURING SYSTEMS

Timers

Time Switches

Counters

Hour Meters

Options

Limit Switches

Temperature Controllers

Solenoids

Fan Motors

Selection Guide

LT4H series

QM4H

PM4S

PM4H series

S1DXM-A/M

S1DX

PMH