

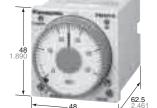
### **DIN48 SIZE MULTI-RANGE ANALOG TIMER**

**UL File No.: E122222** CSA File No.: LR39291









Analog Timers

mm inch

Screw

### **Features**

- 100-240V AC free-voltage input, 48-125V DC type available
- Short body 62.5mm 2.461 inch (screw terminal type)
- Front panel of IP65 type is protected against water-splash and dust
- Built-in Screw terminals Screw terminal type is used for easy wiring and reducing additional cost for accessories.
- 0 setting instantaneous output operation
- Multiple time ranges 1 s to 500 h (Max.)
- 8 different operation modes: (PM4H-A)
- Compliant with UL/CSA, CE and LLOYD

### **Product types**

| Туре        | Operation mode                                 | Contact arrangement   | Time range                      | Protective construction                            | Rated operating voltage      | Terminal type   | Part number      |
|-------------|--|-----------------------|---------------------------------|--|------------------------------|-----------------|------------------|
|             |  |                       |                                 |  | 100 1- 040)/ 10              | 11 pins         | PM4HA-H-AC240VW  |
|             |  |                       |                                 |  | 100 to 240V AC               | Screw terminal  | PM4HA-H-AC240VSW |
|             |  |                       |                                 |  | 48 to 125V DC                | 11 pins         | PM4HA-H-DC125VW  |
|             |  |                       |                                 | IDOF   |                              | Screw terminal  | PM4HA-H-DC125VSW |
|             |  |                       |                                 | IP65   | 041/ AC/DC                   | 11 pins         | PM4HA-H-24VW     |
|             | 8 operation modes  • Pulse ON-delay            |                       |                                 |  | 24V AC/DC                    | Screw terminal  | PM4HA-H-24VSW    |
|             | Pulse Flicker                                  | Relay                 |                                 |  | 12V DC                       | 11 pins         | PM4HA-H-DC12VW   |
| РМ4Н-А      | Pulse ON-flicker                               |                       |                                 |  | 124 DC                       | Screw terminal  | PM4HA-H-DC12VSW  |
| FWHIT-A     | Differential ON/OFF-delay (1) (2)              | Timed-out<br>2 Form C |                                 |  | 100 to 240V AC               | 11 pins         | PM4HA-H-AC240V   |
|             | Signal OFF-delay     Pulse One-shot            | 2 1 0 0               |                                 |  | 100 to 240 v AC              | Screw terminal  | PM4HA-H-AC240VS  |
|             | Pulse One-cycle                                |                       |                                 |  | 48 to 125V DC                | 11 pins         | PM4HA-H-DC125V   |
|             |  |                       |                                 | IP50   | 40 10 1257 00                | Screw terminal  | PM4HA-H-DC125VS  |
|             |  |                       |                                 | 11-30  | 24V AC/DC                    | 11 pins         | PM4HA-H-24V      |
|             |  |                       |                                 |  | 24V AC/DC                    | Screw terminal  | PM4HA-H-24VS     |
|             |  |                       |                                 |  | 12V DC                       | 11 pins         | PM4HA-H-DC12V    |
|             |  |                       |                                 |  | 12 00                        | Screw terminal  | PM4HA-H-DC12VS   |
|             |  |                       |                                 |  | 100 to 240V AC               | 8 pins          | PM4HS-H-AC240VW  |
|             |  |                       |                                 |  | 100 to 240 v AC              | Screw terminal  | PM4HS-H-AC240VSW |
|             |  |                       |                                 |  | 48 to 125V DC                | 8 pins          | PM4HS-H-DC125VW  |
|             |  |                       |                                 | IP65   | 46 to 1250 DC                | Screw terminal  | PM4HS-H-DC125VSW |
|             |  |                       |                                 | 11-03  | 24V AC/DC                    | 8 pins          | PM4HS-H-24VW     |
|             |  |                       |                                 |  | 241 70/00                    | Screw terminal  | PM4HS-H-24VSW    |
|             |  | Delevi                | 40     -   -   -                |  | 12V DC                       | 8 pins          | PM4HS-H-DC12VW   |
| PM4H-S      | Power ON-delay                                 | Relay<br>Timed-out    | 16 selectable ranges 1s to 500h |  |                              | Screw terminal  | PM4HS-H-DC12VSW  |
| 1 111-111 0 |  | 2 Form C              |                                 | IP50 100 to 240V AC 48 to 125V DC 24V AC/DC 12V DC | 100 to 240V AC               | 8 pins          | PM4HS-H-AC240V   |
|             |  |                       |                                 |  | Screw terminal               | PM4HS-H-AC240VS |                  |
|             |  |                       |                                 |  | 48 to 125V DC                | 8 pins          | PM4HS-H-DC125V   |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HS-H-DC125VS  |
|             |  |                       |                                 |  | 24V AC/DC                    | 8 pins          | PM4HS-H-24V      |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HS-H-24VS     |
|             |  |                       |                                 |  | 12V DC                       | 8 pins          | PM4HS-H-DC12V    |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HS-H-DC12VS   |
|             |  |                       |                                 |  | 100 to 240V AC 48 to 125V DC | 8 pins          | PM4HM-H-AC240VW  |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HM-H-AC240VSW |
|             |  |                       |                                 | IP65   |                              | 8 pins          | PM4HM-H-DC125VW  |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HM-H-DC125VSW |
|             |  |                       |                                 |  | 24V AC/DC                    | 8 pins          | PM4HM-H-24VW     |
|             | 5 operation modes                              | Dalass                |                                 |  |                              | Screw terminal  | PM4HM-H-24VSW    |
|             | (With instantaneous contact)  • Power ON-delay | Relay<br>Timed-out    |                                 |  | 12V DC                       | 8 pins          | PM4HM-H-DC12VW   |
| РМ4Н-М      | Power Flicker                                  | 1 Form C              |                                 |  |                              | Screw terminal  | PM4HM-H-DC12VSW  |
|             | Power ON-flicker                               | Instantaneous         |                                 |  | 100 to 240V AC               | 8 pins          | PM4HM-H-AC240V   |
|             | Power One-shot     Power One-cycle             | 1 Form C              |                                 |  |                              | Screw terminal  | PM4HM-H-AC240VS  |
|             |  |                       |                                 | IP50   | 48 to 125V DC                | 8 pins          | PM4HM-H-DC125V   |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HM-H-DC125VS  |
|             |  |                       |                                 |  | 24V AC/DC                    | 8 pins          | PM4HM-H-24V      |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HM-H-24VS     |
|             |  |                       |                                 |  | 12V DC                       | 8 pins          | PM4HM-H-DC12V    |
|             |  |                       |                                 |  |                              | Screw terminal  | PM4HM-H-DC12VS   |

If you use this timer under harsh environment, please order above sealed type (IP65 type). IP65 type — Protection dust and water jet splay on the front face.

## PM4H-A/S/M

### Time range

| Scale | Time unit  | sec         | min               | hrs         | 10h         |
|-------|------------|-------------|-------------------|-------------|-------------|
| 1     |            | 0.1s to 1s  | 0.1 min to 1 min  | 0.1h to 1h  | 1.0h to 10h |
| 5     | Control    | 0.5s to 5s  | 0.5 min to 5 min  | 0.5h to 5h  | 5h to 50h   |
| 10    | time range | 1.0s to 10s | 1.0 min to 10 min | 1.0h to 10h | 10h to 100h |
| 50    |            | 5s to 50s   | 5 min to 50 min   | 5h to 50h   | 50h to 500h |

Note: 0 setting is for instantaneous output operation.

PM4H-A/PM4H-S/PM4H-M All types of PM4H timer have multi-time

16 time ranges are selectable. 1s to 500h (Max. range) is controlled.

### **Specifications**

| Item                   |  | Туре        | РМ4Н-А   | PM4H-S   | PM4H-M  |  |
|------------------------|--|-------------|--|--|---|--|
|                        | Rated operating volta                    | ige         | 100 to 2   | AC/DC  |   |  |
|                        | Rated frequency                          |             | 50/60Hz common (AC operating type)   |  |   |  |
|                        | Rated power consumption                  |             | Approx. 10VA (100 to 240V AC)<br>Approx. 2.5VA (24V AC)<br>Approx. 1.5W (12V DC, 24V DC, 48 to 125V DC)  |  |   |  |
|                        | Rated control capacity                   |             | 5A 250V AC (resistive load)  |  |   |  |
| Rating                 | Operating mode                           |             | Pulse ON-delay Pulse Flicker Pulse ON-Flicker Differential ON/OFF-delay (1) (2) Signal OFF-delay Pulse One-shot Pulse One-cycle  | Power ON-delay                                     | Power ON-delay Power Flicker Power ON-flicker Power One-shot Power One-cycle (with instantaneous contact) |  |
|                        | Time range                               |             | 1s to 500h (Max.) 16 time ranges switchable  |  |   |  |
| T:                     | Operating time fluctu                    | ation       | ±0.3% (p   | ower off time change at the range of 0             | .1s to 1h)  |  |
| Time accuracy          | Setting error                            |             |  | ±5% (Full-scale value)                             |   |  |
| Note:1)                | Voltage error                            |             | ±0.5% (at th   | e operating voltage changes between                | 85 to 110%)   |  |
| ,                      | Temperature error                        |             | ±2% (at 20°C am  | bient temp. at the range of $-10$ to $+50^{\circ}$ | C +14 to +122°F)  |  |
| 011                    | Contact arrangement                      |             | Timed-out 2 Form C   |  | Timed-out 1 Form C<br>Instantaneous 1 Form C  |  |
| Contact                | Contact resistance (Initial value)       |             | Max. 100mΩ (at 1A 6V DC)   |  |   |  |
|                        | Contact material                         |             | Silver alloy   |  | Au flash on Silver alloy  |  |
| Life                   | Mechanical (contact)                     |             | 2×10 <sup>7</sup>  |  |   |  |
| Lile                   | Electrical (contact)                     |             | 10 <sup>5</sup> (at rated control capacity)  |  |   |  |
|                        | Allowable operating voltage range        |             | 85 to 110% of rated operating voltage (at 20°C coil temp.)   |  |   |  |
|                        | Insulation resistance (Initial value)    |             | Between live and dead metal parts Between input and output Between contacts of different poles Between contacts of same pole   |  | poles (At 500V DC)  |  |
| Electrical<br>function | Breakdown voltage (Initial value)        |             | 2,000Vrms for 1 min Between live and dead metal parts 2,000Vrms for 1 min Between input and output 2,000Vrms for 1 min Between contacts of different poles 1,000Vrms for 1 min Between contacts of same pole |  |   |  |
|                        | Min. power off time                      |             |  | 100ms  |   |  |
|                        | Max. temperature rise                    |             |  | 131°F  | 65°C 149°F  |  |
|                        | Vibration resistance                     | Functional  | 10 to 55Hz: 1 cycle/min double amplitude of 0.25mm (10min on 3 axes)   |  |   |  |
| Mechanical             | - III WII OI I I I I I I I I I I I I I I | Destructive | 10 to 55Hz: 1 cycle/min double amplitude of 0.375mm (1h on 3 axes)   |  |   |  |
| function               | Shock resistance                         | Functional  | Min. 98m/s <sup>2</sup> (4 times on 3 axes)  |  |   |  |
|                        |  | Destructive | Min. 980m/s² (5 times on 3 axes)   |  |   |  |
|                        | Ambient temperature                      |             | <b>−10 to +50°C</b> +14 to +122°F  |  |   |  |
| Operating              | Ambient humidity                         |             | 30 to 85%RH (at 20°C 68°F, non-condensing)   |  |   |  |
| condition              | Atmospheric pressure                     |             | 860 to 1,060hPa  |  |   |  |
|                        | Ripple factor (DC type)                  |             | 20%  |  |   |  |
|                        | Protective construction                  |             | IP65 on front panel (using rubber gasket ATC18002) <only for="" ip65="" type=""></only>  |  |   |  |
| Others                 | Weight                                   |             | 100g 3.527 oz (Pin type)   |  |   |  |
|                        |  |             | 110g 3.880 oz (Screw terminal type)  |  |   |  |
|                        |  |             | 7, 7   |  |   |  |

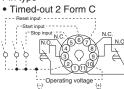
Note: 1) Unless otherwise specified, the measurement conditions at the maximum scale time standard are specified to be the rated operating voltage (within 5% ripple factor for DC), 20°C 68°F ambient temperature, and 1s power off time.

<sup>2)</sup> For the 1s range, the tolerance for each specification becomes  $\pm 10$ ms.

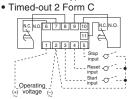
### **Terminal layouts and wiring diagrams**

#### PM4H-A

Pin type



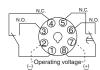
Screw terminal type



PM4H-M

Pin type

- Timed-out 1 Form C
- Instantaneous 1 Form C



Screw terminal type

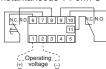
• Timed-out 1 Form C

Power indicator LED

Time indicator window

Time unit indicator

• Instantaneous 1 Form C



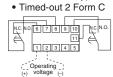
#### PM4H-S

Pin type

• Timed-out 2 Form C



Screw terminal type



Operation mode selector Selectable from

5 operation modes

FL: Power flicker
FO: Power ON-flicker

ON : Power ON-delay

OS: Power One-shot OC: Power One-cycle

1) DC Type

| Туре             | Pin   | Screw terminal  |  |
|------------------|---|---|--|
| РМ4Н-А           | Connect the terminal ② to negative (-), and the terminal ⑩ to positive (+). | Connect the terminal 2 to negative (–), and the termina |  |
| PM4H-S<br>PM4H-M | Connect the terminal ② to negative (-), and the terminal ⑦ to positive (+). | 1 to nositive (+)                                       |  |

2) Contact



3) Voltage should not be applied to the various inputs (reset, start, and stop) of the PM4H-A multi-range timer. These inputs should be input without voltage.

# Part names

Time range selector
16 time settings selectable
(1 s to 500 h)

1s 5s 10s 50s 1min 5min 10min 50min 1h 5h 10h 50h 10h 50h 100h 500h PM4H-A

Hand Set dial

Operation mode indicator

Output indicator LED

PM4H-M

Operation mode selector

Selectable from 8 operation modes

ON: Pulse ON-delay
FL: Pulse Flicker
FO: Pulse ON-flicker

OF1 : Differential ON/OFF-delay (1)

SF : Signal OFF-delay
OS : Pulse One-shot

OS: Pulse One-shot OF2: Differential ON/OFF-delay (2)

OC : Pulse One-cycle

### ,

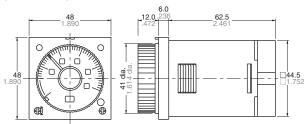
Instantaneous output area
When the hand is in this area,
instantaneous operation starts.

09/2009

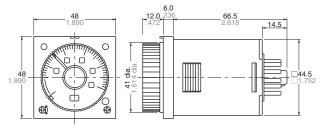
### **Dimensions**

#### • PM4H-□

Screw terminal type (Flush mount)

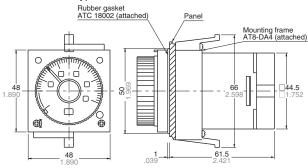


Pin type (Flush mount/Surface mount)

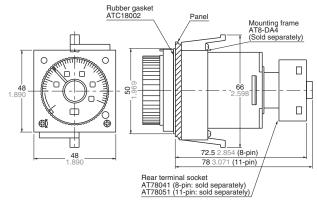


#### • Panel mount dimensions (with mounting frame)

Screw terminal type

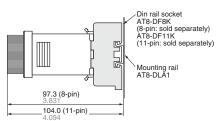


Pin type



### • Surface mount dimensions

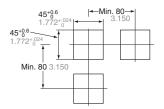
Pin type



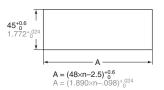
#### • Panel cut out dimensions

Standard cut out dimensions are shown

Use mounting frame (AT8-DA4) and rubber gasket (ATC18002).



### Adjacent mounting



Note)

- 1. The proper thickness of mounting panel is between 1 to 5mm.
- 2. Adiacent mount is less water-resistant.

# Operation mode PM4H-A

★ LED lighting ★ LED flickering
T: Setting time t<sub>1</sub>, t<sub>2</sub>, t<sub>a</sub>, t<sub>b</sub><T t<sub>1</sub>+t<sub>2</sub>=T

| Operation type                   | Explanation  | Time chart  |
|----------------------------------|--|---|
| Operation type                   | •  | on on   |
| Pulse<br>ON-delay<br>()N         | <ul> <li>If using a time-limit start when the power is turned on, and a reset when the power is turned off, pins ② to ⑥ (screw-tightening pins ② and ③) should be shorted ahead of time.</li> <li>Turn the operation mode selector switch to the ⑩ position.</li> <li>If pins ② to ⑥ (screw-tightening pins ② and ③) are shorted (the start input is turned on) with the power supply on, the output will go on after the set time has elapsed.</li> <li>If the power supply is turned off, or pins ② to ⑦ (screw-tightening pins ② to ④) are shorted (the reset input is turned on), a reset is carried out.</li> <li>Note) During time-limited operation, the time-limited operation is stopped while the pins ② to ⑥ (screw-tightening pins ② to ⑤) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes.</li> </ul>  | Power supply  Start ②-⑥  NoF  NoF  NoF  NoF  NoF  NoF  NoF  No  |
| Pulse<br>Flicker                 | • If using a time-limit start when the power is turned on, and a reset when the power is turned off, pins ② to ⑥ (screw-tightening pins ② and ③) should be shorted ahead of time. • Turn the operation mode selector switch to the ④ position. When pins ② to ⑥ (screw-tightening pins ② and ③) are shorted (the start input is turned on) with the power supply on, the limited time interval begins, and the output goes on after the set time has elapsed. After the output has gone on, it goes off when the set time has elapsed, and this process is subsequently repeated. If the power supply is turned off, or pins ② to ⑦ (screw-tightening pins ② to ④) are shorted (the reset input is turned on), a reset is carried out. Note) During time-limited operation, the time-limited operation is stopped while the pins ② to ⑤ (screw-tightening pins ② to ⑤) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes.   | Power supply  ON  ON  OFF  ON  OFF  OFF  ON  OFF  OFF  ON  OFF  OFF  ON  ON  |
| Pulse<br>ON-flicker<br>F0        | • If using a time-limit start when the power is turned on, and a reset when the power is turned off, pins ② to ③ (screw-tightening pins ② and ③) should be shorted ahead of time. • Turn the operation mode selector switch to the ⑤ position. When pins ② to ⑥ (screw-tightening pins ② and ③) are shorted (the start input is turned on) with the power supply on, the output goes on, and after the set time has elapsed, it goes off. This process is subsequently repeated. If the power supply is turned off, or pins ② to ⑦ (screw-tightening pins ② to ④) are shorted (the reset input is turned on), a reset is carried out. Note) During time-limited operation, the time-limited operation is stopped while the pins ② to ⑤ (screw-tightening pins ② to ⑤) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes.  | ON OFF ON OFF OFF OFF OFF OFF OFF OFF OF  |
| Differential<br>ON/OFF-delay (1) | • Turn the operation mode selector switch to the ® position.  When pins ② to ⑥ (screw-tightening pins ② and ③) are shorted (the start input is turned on) with the power supply on, the output goes on, and after the set time has elapsed, it goes off.  Also, when pins ② to ⑥ are released (the start input goes off), the output goes on, and after the set time has elapsed, it goes off.  If the status of pins ② to ⑥ (screw-tightening pins ② and ③) changes during the time-limit interval (the start input goes from on to off, or from off to on), the time-limit interval is restarted from the point at which the change took place.  If the power supply is turned off, or pins ② to ⑦ (screw-tightening pins ② to ④) are shorted (the reset input is turned on), a reset is carried out.  Note) During time-limited operation, the time-limited operation is stopped while the pins ② to ⑤ (screw-tightening pins ② to ⑤) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes. | Power supply  ON  ON  OFF  ON  ON  |
| Signal<br>OFF-delay<br>SF        | • Turn the operation mode selector switch to the \$\overline{\text{sp}}\$ position. When pins \$\overline{\text{2}}\$ to \$\overline{\text{0}}\$ (screw-tightening pins \$\overline{\text{2}}\$ and \$\overline{\text{3}}\$) are shorted (the start input is turned on) with the power supply on, the output goes on, and when pins \$\overline{\text{0}}\$ to \$\overline{\text{0}}\$ (screw-tightening pins \$\overline{\text{2}}\$ and \$\overline{\text{3}}\$) are released (the start input is turned off), the time limit interval begins. After the set time has elapsed, the output goes off. If start input is entered at any point during the time limit interval, the time limit interval is reset.  Note) During time-limited operation, the time-limited operation is stopped while the pins \$\overline{\text{0}}\$ to \$\overline{\text{3}}\$ (screw-tightening pins \$\overline{\text{2}}\$ to \$\overline{\text{5}}\$) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes.  | ON Power supply ON OFF ON ON OFF ON ON OFF ON OFF ON OFF ON ON ON OFF ON ON ON OFF ON ON ON OFF ON ON ON ON OFF ON ON ON OFF ON |
| Note: Keep 0.1s o                | or more for power off time.  |   |

Note: Keep 0.1s or more for power off time.

Keep 0.05s or more for start, stop, reset input time.

## PM4H-A/S/M

| Operation type                            | Explanation   | Time chart  |
|---|---|---|
| Pulse<br>One-shot<br>(0S)                 | • If using a time-limit start when the power is turned on, and a reset when the power is turned off, pins ② to ⑥ (screw-tightening pins ② and ③) should be shorted ahead of time. • Turn the operation mode selector switch to the ⑥ position. When pins ② to ⑥ (screw-tightening pins ② and ③) are shorted (the start input is turned on) with the power supply on, the output goes on for the set time limit interval. If the power supply is turned off, or pins ② to ⑦ (screw-tightening pins ② to ④) are shorted (the reset input is turned on), a reset is carried out. Note) During time-limited operation, the time-limited operation is stopped while the pins ② to ⑤ (screw-tightening pins ② to ⑤) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes.   | ON Power supply ON OFF OFF ON ON OFF ON ON OFF ON ON OFF Stop ②-③  T T T T D ON OFF  ON OFF  ON OFF  ON OFF  A ON OFF  ON ON OFF  ON ON OFF  ON ON ON OFF  ON ON ON ON OFF  ON   |
| Differential<br>ON/OFF-delay (2)<br>()F2) | • Turn the operation mode selector switch to the ® position. When pins ② to ⑥ (screw-tightening pins ② and ③) are shorted (the start input is turned on) with the power supply on, the time limit interval begins, and after the set time interval has elapsed, the output goes on. Also, when pins ② to ⑥ are released (the start input goes off), the time limit interval begins, and after it has elapsed, the output goes off. If the status of pins ② to ⑥ (screw-tightening pins ② and ③) changes during the time-limit interval (the start input goes from on to off, or from off to on), the time limit interval is restarted from the point at which the change took place. If the power supply is turned off, or pins ② to ⑦ (screw-tightening pins ② to ④) are shorted (the reset input is turned on), a reset is carried out. Note) During time-limited operation, the time-limited operation is stopped while the pins ② to ⑤ (screw-tightening pins ② to ⑤) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes. | Power supply  ON  OFF  ON  ON |
| Pulse<br>One-cycle                        | • If using a time-limit start when the power is turned on, and a reset when the power is turned off, pins ② to ⑥ (screw-tightening pins ② and ③) should be shorted ahead of time. • Turn the operation mode selector switch to the ⑩ position. When pins ② to ⑥ (screw-tightening pins ② and ③) are shorted (the start input is turned on) with the power supply on, the output goes on after the set time limit interval has elapsed. After it has gone on, it goes off after one pulse (approximately 0.8 seconds). If the power supply is turned off, or pins ② to ⑦ (screw-tightening pins ② to ④) are shorted (the reset input is turned on), a reset is carried out. Note) During time-limited operation, the time-limited operation is stopped while the pins ② to ⑤ (screw-tightening pins ② to ⑤) are being shorted (the stop input is on). When the pins are released, time-limited operation resumes.  | Power supply  ON  OFF  OFF  Reset ②-③  ON  OFF  OFF  ON  ON                |

Note: Keep 0.1s or more for power off time.

Keep 0.05s or more for start, stop, reset input time.

### PM4H-S

(\* LED lighting ☆ LED flickering)
T: Setting time

| Operation type | Explanation   | Time chart                                  |
|----------------|---|---|
| Power ON-delay | Time limit contact relay When the power supply is turned on, the output goes on after the set time interval has elapsed. When the power supply is turned off, a reset is carried out. | Power supply ON OFF Time out (N.O. contact) |

### PM4H-M

| Operation type   | Explanation   | Tim   | e chart                  |
|--|---|---|--------------------------|
| Power ON-delay  ON  Power Flicker  FL  Power ON-flicker  FO  Power One-shot  OS  Power One-cycle | Turn the operation mode selector switch to display the various operations.  When the power supply is turned on, the time limit interval begins, and operation is carried out.  When the power supply is turned off, a reset is carried out. | Power ON-delay  Power supply  Time out (N.O. contact)  Instantaneous contact (N.O. contact)  OP. LED  POWER LED | ON OFF  ON OFF  T ON OFF |

Note: Keep 0.1s or more for power off time. PM4H-M timers do not have each input which is start, reset and stop.