Multi-range, Multi-mode Timer

Order Code

H3DT-L2   24 to 240 VAC/DC

Dimensions (Unit: mm)

Terminal Arrangement

17.5

86

90

100

90

5
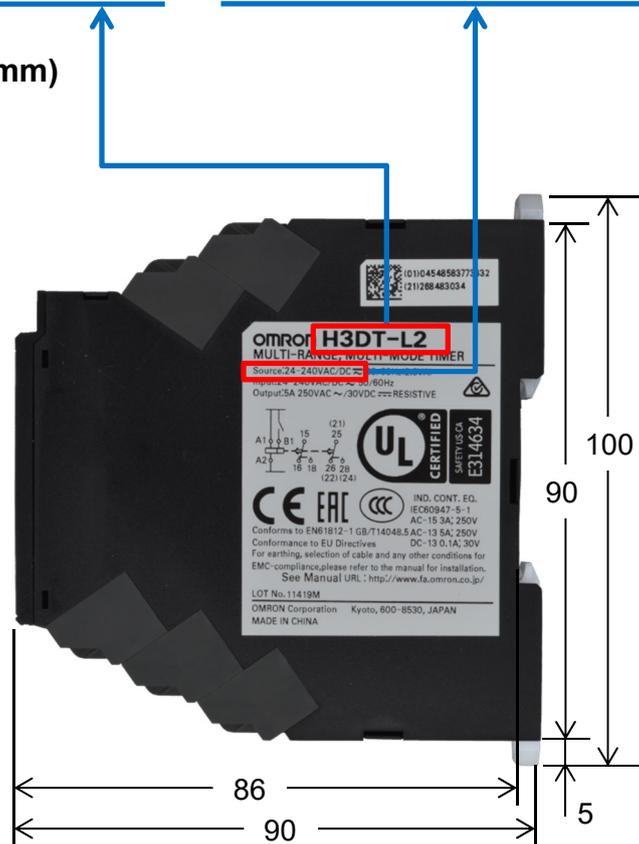
Front

Side view
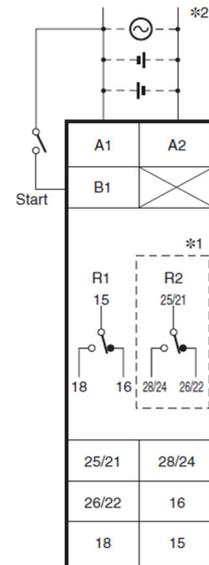
※1. The relay R2 can be set to either instantaneous or time-limit contacts using the switch on the front of the Timer.

※2. The power supply terminals do not have polarity.

(DIN notation)
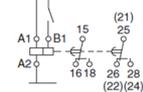
Technical criteria

Rated supply voltage	24 to 240 VAC/DC, 50/60 Hz
Operating mode	A, B, B2, C, E, G, J, J2
Input method	Voltage input
Minimum input signal width	50 ms (start input)
Power Reset (Minimum power-OFF time)	0.1 s
Control Output	5 A at 250 VAC with resistive load ($\cos\varphi = 1$), 5 A at 30 VDC with resistive load, 0.15 A max. at 125 VDC with resistive load, 0.1A max. at 125 VDC with L/R of 7 ms. Minimum applicable load:10 mA at 5 VDC.
Accuracy of operating time	±1% of FS max. (±1% ±10 ms max. at 1.2-s range)
Setting error	±10% of FS ±0.05 s max.
Operating Temperature	−20 to 60°C
Operating Humidity	25% to 85%
IP	IP30 (Terminal block: IP20)

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Nomenclature
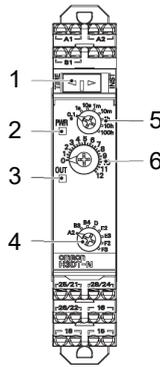
1	INIT/TIME switch for relay R2
2	Operation/power indicator
3	Output indicator
4	Operating mode switch
5	Time range switch
6	Main dial

Time range

Time range setting	0.1 s	1 s	10 s	1 min	10 min	1 h	10 h	100 h
Set time range	0.1 to 1.2 s	1 to 12 s	10 to 120 s	1 to 12 min	10 to 120 min	1 to 12 h	10 to 120 h	100 to 1,200 h
Scale numbers	12							

Timing Chart

A: ON Delay	E: Interval
* The start input is ignored while the Timer is in operation.	* The start input is valid while the Timer is in operation.
B: Flicker OFF Start	**G: Signal ON/OFF Delay**
* The start input is ignored while the Timer is in operation.	* The start input is valid while the Timer is in operation.
B2: Flicker ON Start	**J: One-shot Output (Signal Start)**
* The start input is ignored while the Timer is in operation.	* The start input is valid while the Timer is in operation.
C: Signal ON/OFF Delay	**J2: One-shot Output (Power ON Start)**
* The start input is valid while the Timer is in operation.	

Note: Refer to the official Datasheet, how to use Gate input.

Accessories

Front Cover

Y92A-D1A