

# Multi-range, Multi-mode Timer

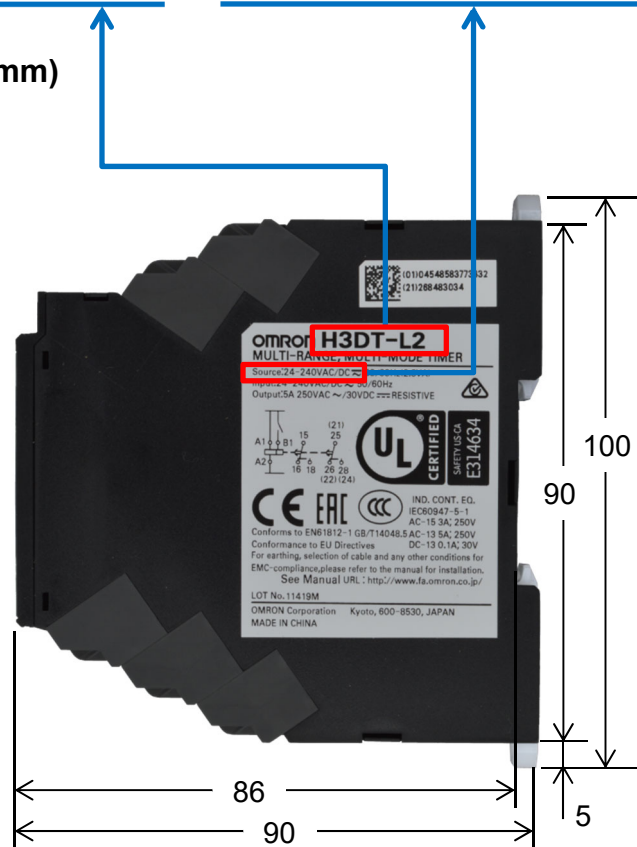
## Order Code

**H3DT-L2 24 to 240 VAC/DC**

Dimensions (Unit: mm)

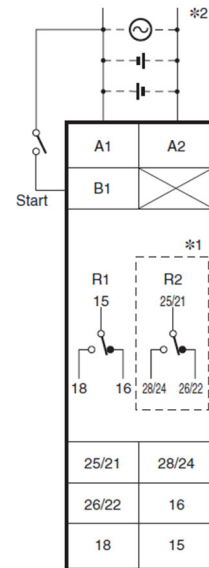


Front



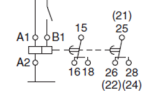
Side view

Terminal Arrangement



- \*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)

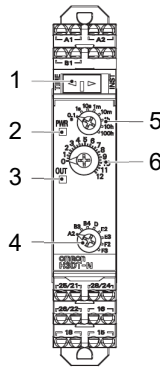


## Technical criteria

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 ( $\cos\phi = 1$ ), 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	$\pm 1\%$ of FS max. ( $\pm 1\% \pm 10$ ms max. at 1.2-s range)
Setting error	$\pm 10\%$ of FS $\pm 0.05$ 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

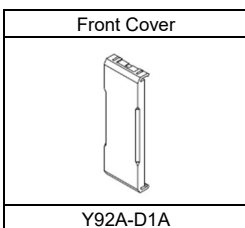
Time range setting	0.1 s	1 s	10 s	1 min	10 min	1 h	10 h	100 h
Set time range	0.1 to 1.2 s	1 to 12 s	10 to 120 s	1 to 12 min	10 to 120 min	1 to 12 h	10 to 120 h	100 to 1,200 h
Scale numbers	12							

## Timing Chart

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

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

## Accessories



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