

Multi-range, Multi-mode Timer

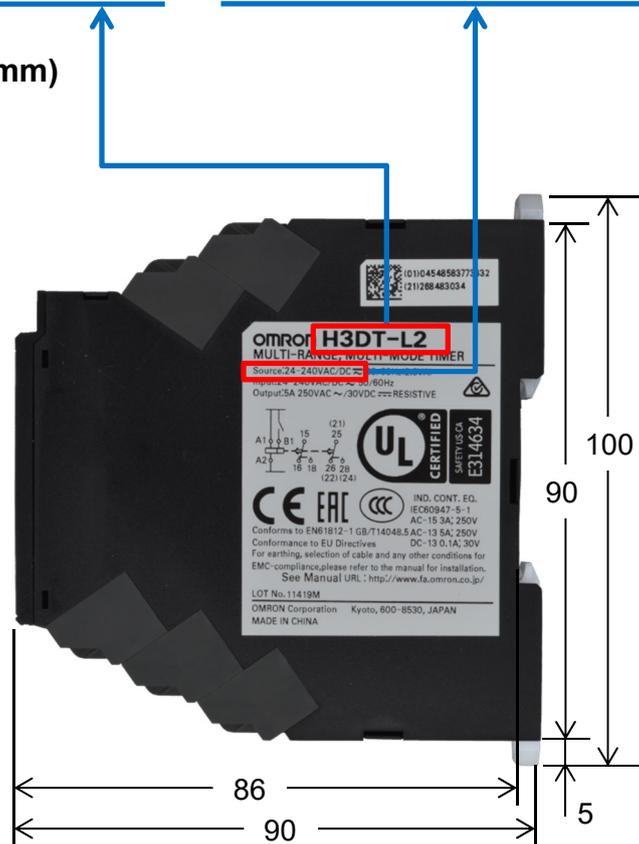
Order Code

H3DT-L2 24 to 240 VAC/DC

Dimensions (Unit: mm)

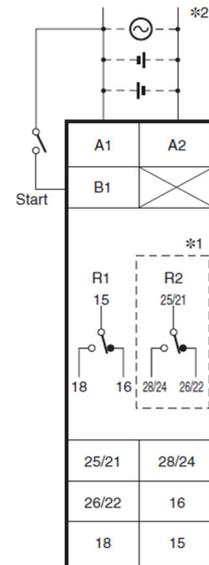


Front



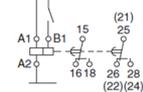
Side view

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)

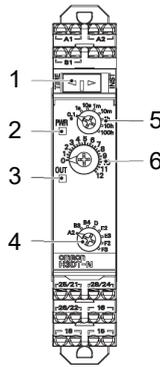


Technical criteria

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

OMRON Corporation Industrial Automation Company

Kyoto, JAPAN

Contact: www.ia.omron.com

Regional Headquarters

OMRON EUROPE B.V.

Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands

Tel: (31) 2356-81-300/Fax: (31) 2356-81-388

<https://industrial.omron.eu/en/home>

OMRON ELECTRONICS LLC

2895 Greenspoint Parkway, Suite 200
Hoffman Estates, IL 60169 U.S.A.

Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

© OMRON Corporation 2019 All Rights Reserved.
In the interest of product improvement,
specifications are subject to change without notice.

Cat. No. L193-E1-01

1019