

# Star-delta Timer

## H3DK-G

- Set two time ranges between 1 and 120 s with one Timer.
- Models with 240 to 440-VAC power supply added to series.



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

### Ordering Information

#### List of Models

Operating modes	Supply voltage	Control output		H3DK-G
Star-delta Timer	24 to 240 VAC/DC	Contact outputs Delta circuit: SPDT, Star circuit: SPDT	Model	<b>H3DK-G</b>
	12 VDC		Model	<b>H3DK-GA</b>
	240 to 440 VAC		Model	<b>H3DK-GE</b>

#### Accessories (Order Separately)

Item	Specification	Model
Mounting Track	50 cm (l) x 7.3 mm (t)	<b>PFP-50N</b>
	1 m (l) x 7.3 mm (t)	<b>PFP-100N</b>
	1 m (l) x 16 mm (t)	<b>PFP-100N2</b>
End Plate	---	<b>PFP-M</b>
Spacer	---	<b>PFP-S</b>

#### Model Structure

Model	Terminal block	Operating/resetting method	Output type	Mounting method	Safety standards	Accessories
H3DK-G	9 terminals	Time-limit operation/self-resetting	Time-limit (relay) Star circuit: SPDT Delta circuit: SPDT	DIN Track mounting	cURus <sup>*1</sup> (UL 508 CSA C22.2 No. 14) EN 61812-1 IEC 60664-1 4 kV/2 EN 50274	User label

\*1. Except for the H3DK-GE.

### Specifications

#### Time Ranges

Time range setting	t1x1	t1x10
Star set time (t1) range	1 to 12 s	10 to 120 s

Star-Delta transfer time (t2)	Select from 0.05, 0.1, 0.25, or 0.5 s.
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#### Ratings

	H3DK-G, -GA	H3DK-GE
Power supply voltage <sup>*1</sup>	• 24 to 240 VAC/DC, 50/60 Hz <sup>*2</sup> • 12 VDC <sup>*2</sup>	• 240 to 440 VAC (50/60 Hz) <sup>*5</sup>
Allowable voltage fluctuation range	• 24 to 240 VAC/DC: 85% to 110% of rated voltage • 12 VDC: 90% to 110% of rated voltage	80 % to 110% of rated voltage
Power reset	Minimum power-OFF time: 0.5 s	
Reset voltage	10% of rated voltage	
Power consumption	H3DK-G	At 440 VAC: 34 VA max.
	H3DK-GA	
	At 240 VAC: 6.6 VA max. <sup>*3</sup> At 12 VDC: 0.9 W max.	