

Solid-state Timer

H3CA

DIN-sized (48 x 48, 45 x 75 mm) Timer with Digital Setting and LCD Display

- Dual power supplies for free AC/DC.
- Eight operation modes selectable with one unit.
- Any desired time can be set digitally within a range from 0.1 seconds to 9,990 hrs.
- Four external signal inputs.
- ON/OFF indicator for control output and bar indicator for remaining time.
- Conforms to UL, CSA, and CE marking.



Ordering Information

Operation/resetting system	Operation mode	Terminal	Time-limit contact	Instantaneous contact	Mounting	
					Surface mounting/track mounting	Flush mounting
Time-limit operation/self-resetting/external resetting (see note 2)	8 operation modes (selectable) (see note 3)	11-pin round socket	SPDT	---	H3CA-A	H3CA-A
		Front screw			H3CA-FA	---
Time-limit operation/self-resetting	ON-delay operation	8-pin round socket	DPDT	---	H3CA-8	H3CA-8
			SPDT	SPDT	H3CA-8H	H3CA-8H

- Note:**
1. Specify both the model number and supply voltage when ordering for the H3CA-8H and H3CA-8.
 2. The operation/resetting system depends on the selected operation mode. For details, see "Timing Chart".
 3. The 8 operation modes are as follows:

A: ON-delay operation	E: Interval operation
B: Repeat cycle operation	F: One-shot and flicker operation
C: Signal ON/OFF-delay operation (1)	G: Signal ON/OFF-delay operation (2)
D: Signal OFF-delay operation (1)	H: Signal OFF-delay operation (2)

Accessories (Order Separately)

Timer	Track mounted socket (see note 1)	Back connecting socket	
		Solder terminal	Screw terminal
H3CA-A	P2CF-11	PL11	P3GA-11
H3CA-8H/H3CA-8	P2CF-08	PL08	P3G-08

Note: Track mounted socket can be used as a front connecting socket.

Specifications

Time Ranges

A desired time can be set within a range of 0.1 s to 9,990 hrs by combining the three thumbwheel switch modules for time setting and one module for time unit selection.

Time unit		0.1 s	1 s	0.1 min	1 min	0.1 hrs	1 hr	10 hrs
Time range	1 to 999 (3 digits)	<div><div><div>0</div><div>0</div><div>1</div></div><div><div>0.1</div><div>S</div></div>to<div><div>9</div><div>9</div><div>9</div></div><div><div>10</div><div>h</div></div></div>						

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Item	H3CA-A/H3CA-FA	H3CA-8	H3CA-8H
Rated supply voltage	24 to 240 VAC (50/60 Hz), 12 to 240 VDC (permissible ripple: 20% max.)	100/110/120, 200/220/240 VAC, (50/60 Hz), 24 VDC, 110 VDC (permissible ripple: 20% max.) (see note)	
Operating voltage range	90% to 110% of rated supply voltage	85% to 110% of rated supply voltage	
Power consumption	AC: approx. 4 VA DC: approx. 2 W	AC: approx. 10 VA/1 W DC: approx. 1 W	AC: approx. 10 VA/1.5 W DC: approx. 2 W
Control outputs	3 A at 250 VAC, resistive load ($\cos\phi = 1$)		

■ Characteristics

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