

Digital Timer

H5CX-□-N



Space-Saving 1/16 DIN Timer with All-in-One Functionality to Solve Most Timing Applications

15 different timing modes include: Signal ON/OFF Delay, Power ON Delay, Repeat Cycle, Interval, Cumulative, Twin Timer (Flicker ON/OFF), Stopwatch, and more.

Easy-to-set timing and security functions satisfy multiple design needs with a single part, reducing your stock. High accuracy setting and operation in all modes assures reliable performance.

Small and Flexible

A Shorter Body

Enables mounting in thin control panels.

Models with terminal blocks for 24 VAC/12 to 24 VDC:

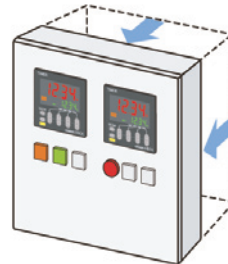
Only **59 mm depth**, the shortest body for any industrial timer.

Models with terminal blocks for 100 to 240 VAC:

Only **78 mm depth**, the shortest body for any industrial timer that isolates the power supply and input circuits.

Model with Sockets: 63.7 mm (case dimension)

The above claims apply to timers with a maximum ambient temperature of 55°C. According to Omron investigations June 2009.



Waterproof, Dust-proof Front Panel (UL508 Type 4X and IP66)

Worry-free application is possible in locations subject to water.



Safe and Reliable

Power supply circuit and input circuits are isolated inside the Timer. You no longer have to take steps to prevent unwanted circuit paths*, such as prohibiting grounding the 0-V line of the input.

*Specifications: 100 to 240 VAC.



Upper limit restriction helps prevent incorrect settings.



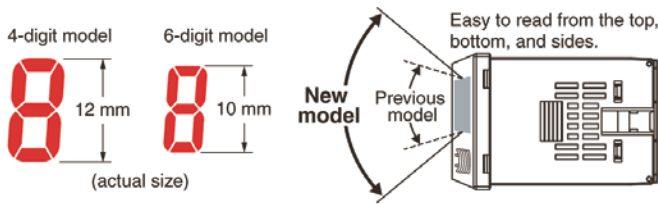
Worry-free operation is achieved with the New H5CX by restricting the set time.

Service Life Notification

The number of times that the control output turns ON is counted and an alarm is displayed when a preset count is exceeded. This function is useful in preventive maintenance for the service life of the Timer or the load.

Easy and Smart

The larger characters and wider viewing angle join a bright display for easy reading even in well-lit locations.



Orange Added to Switchable Display Colors

Switchable display colors readily show the output status.

Using green when Output is OFF

Using orange when Output is ON



Green - Orange
Red - Green
Orange - Red, Etc.

Display colors can be switched only on models with screw terminals.

Ordering

Type	Time specifications	Operating modes	External connections	Input	Output	Supply Voltage	Models
H5CX-A series 4-digit models	0.001 to 9.999 s 0.01 to 99.99 s 0.1 to 999.9 s 1 to 9999 s 1 s to 99 min 59 s 0.1 to 999.9 min 1 to 9999 min 1 min to 99 h 59 min 0.1 to 999.9 h 1 to 9999 h	Timer Mode A: Signal ON Delay I A-1: Signal ON Delay II A-2: Power ON Delay I A-3: Power ON Delay II b: Repeat cycle 1 b-1: Repeat cycle 2 d: Signal OFF Delay E: Interval F: Cumulative Z: ON/OFF-duty-adjustable flicker S: Stopwatch Twin Timer Mode toff: Flicker OFF Start 1 ton: Flicker ON Start 1 toff-1: Flicker OFF Start 2 ton-1: Flicker ON Start 2 Timer Mode A-2: Power ON Delay I b: Repeat cycle 1 E: Interval Z: ON/OFF-duty-adjustable flicker Twin Timer Mode toff: Flicker OFF Start 1 ton: Flicker ON Start 1	Screw terminals	Signal, Reset, Gate (NPN/PNP input)	Contact output (time-limit SPDT)	100 to 240 VAC	H5CX-A-N
			11-pin socket			12 to 24 VDC/24 VAC	H5CX-AD-N
			8-pin socket	Signal, Reset (NPN input)	Contact output (time-limit SPDT)	100 to 240 VAC	H5CX-A11-N
						12 to 24 VDC/24 VAC	H5CX-A11D-N
H5CX-L series 4-digit models				None	Contact output (time-limit SPDT + instantaneous SPDT) Models with instantaneous contact outputs	100 to 240 VAC	H5CX-L8-N
						12 to 24 VDC/24 VAC	H5CX-L8D-N
H5CX-B series 6-digit model	0.01 to 9999.99 s 1 s to 99 h 59 min 59 s 0.1 to 99999.9 min 0.1 to 99999.9 h	A: Signal ON Delay I F-1: Cumulative	Screw terminals	Signal, Reset, Gate (NPN/PNP input)	Transistor output (DPST)	100 to 240 VAC	H5CX-L8E-N
						12 to 24 VDC	H5CX-L8ED-N
H5CX-B series 6-digit model						100 to 240 VAC	H5CX-BWSD-N
						12 to 24 VDC	H5CX-BWSD-N

Note: Additional models with transistor output available. Please see datasheet for more details.

Accessories (Order Separately)

Front Panels

Color	Models	Applicable Timers
Light gray (5Y7/1)	Y92P-CXT4G	4-digit models
White (5Y9.2 / 0.5)	Y92P-CXT4S	
Black (N1.5)	Y92P-CXT4B	

Note: Black front panel is a replacement part.



Light gray
(sold separately)



White
(sold separately)

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Note: Specifications are subject to change.

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