



# 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:

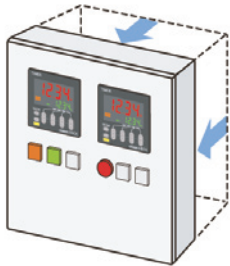
Only **78 mm depth**, the shortest body for any industrial timer that isolates the power supply and input circuits.

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.



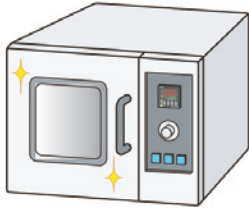
### Safe and Reliable

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.



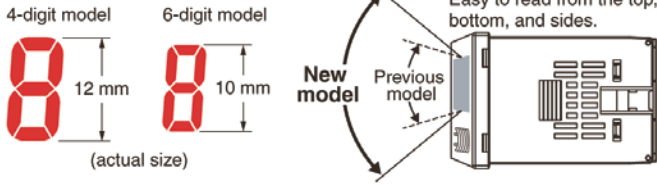
Worry-free operation is achieved with the New H5CX by restricting the set time.

### 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	<b>Timer Mode</b> 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  <b>Twin Timer Mode</b> toff: Flicker OFF Start 1 ton: Flicker ON Start 1 toff-1: Flicker OFF Start 2 ton-1: Flicker ON Start 2  <b>Timer Mode</b> A-2: Power ON Delay I b: Repeat cycle 1 E: Interval Z: ON/OFF-duty-adjustable flicker  <b>Twin Timer Mode</b> 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	<b>H5CX-A-N</b>
			11-pin socket			12 to 24 VDC/24 VAC	<b>H5CX-AD-N</b>
			8-pin socket	Signal, Reset (NPN input)	100 to 240 VAC	<b>H5CX-A11-N</b>	
			12 to 24 VDC/24 VAC		<b>H5CX-A11D-N</b>		
H5CX-L series 4-digit models	0.01 to 9999.99 s 1 s to 99 h 59 min 59 s 0.1 to 99999.9 min 0.1 to 9999.9 h	<b>Timer Mode</b> A-2: Power ON Delay I b: Repeat cycle 1 E: Interval Z: ON/OFF-duty-adjustable flicker  <b>Twin Timer Mode</b> toff: Flicker OFF Start 1 ton: Flicker ON Start 1	Screw terminals	Signal, Reset, Gate (NPN/PNP input)	Contact output (time-limit SPDT + instantaneous SPDT) Models with instantaneous contact outputs	100 to 240 VAC	<b>H5CX-L8-N</b>
						12 to 24 VDC/24 VAC	<b>H5CX-L8D-N</b>
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 9999.9 h	A: Signal ON Delay I F-1: Cumulative	Screw terminals	None	Transistor output (DPST)	12 to 24 VDC	<b>H5CX-BWSD-N</b>

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)	<b>Y92P-CXT4G</b>	4-digit models
White (5Y9.2 / 0.5)	<b>Y92P-CXT4S</b>	
Black (N1.5)	<b>Y92P-CXT4B</b>	

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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