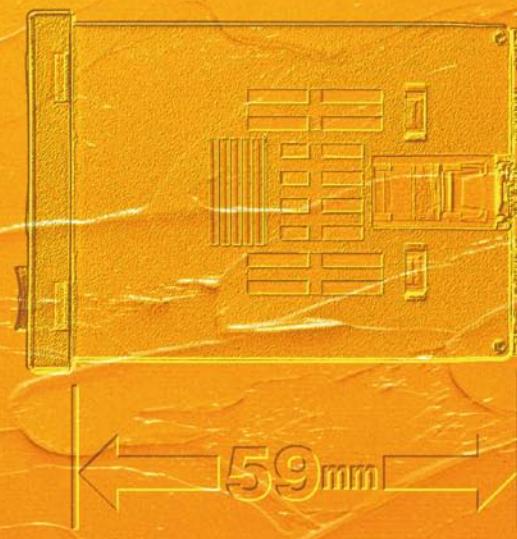


OMRON

# Digital Timer

H5CX-□-N

## The Timer with the Shortest Body in the Industry\*



Shortest  
Body



Standard/Economy Type  
H5CX-A/L series



Six-digit Type  
H5CX-B series

realizing

**H7CX**  
Multifunction  
Counter/Tachometer  
Released  
Simultaneously



Easy to Read + Saves Space + Safe and Reliable + Complete Lineup

# The Most Powerful Digital Timer Ever!

We have upgraded the popular H5CX Digital Timer.

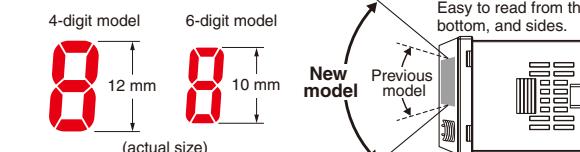
Use it for higher added value in your equipment.



## Easier to Read

### Character Height: 12 mm

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



We increased the number of display segments to make setting parameters even easier.



### Orange Added to Switchable Display Colors to Readily Show the Output Status

Using Green When Output Is OFF

Using Orange When Output Is ON



## Save Space

### A Shorter Body

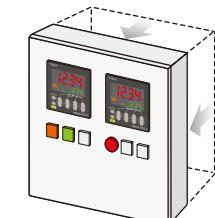
The shorter body enables mounting in thin control panels.



### Models with terminal blocks for 24 VAC/12 to 24 VDC.

At only 59 mm, the shortest body for any industrial timer.

Make Thinner Panels



### Models with terminal blocks for 100 to 240 VAC.

At only 78 mm, the shortest body for any industrial timer that isolates the power supply and input circuits.

\*Models 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.

## Safe and Reliable

### Isolated Power Supply and Input Circuits

Power supply circuit and input circuits were 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.

Prevent Unwanted Circuit Paths



### Output ON Count Alarm Indication

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.

### Setting Upper Limit

Prevent Unexpected Operation

Restricting the set time help prevent incorrect settings.



## More Complete Lineup

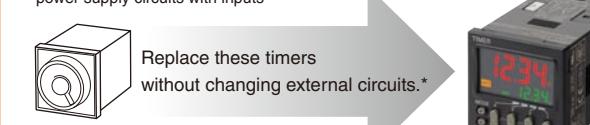
### Models with Instantaneous Contact Outputs

Easily Replace Analog Timers

The H5CX meets the demand for a digital version of an analog timer with instantaneous contacts.

Motor timer, analog timer, and other timers with self-holding power supply circuits with inputs

Models with Instantaneous Contact Outputs H5CX-L8E□-N



\*Confirm applicability in the actual system before use.

### Waterproof, Dust-proof Structure (UL508 Type 4X and IP66)

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

\*When the Y92S-29 Waterproof Packing is used.



### Replaceable Front Panel

Design Flexibility

Replace the front panel with an Optional Front Panel to change the basic color from black to light gray or white.

• Optional Front Panels let you match the color of the panel or surrounding devices.



## New Modes

The new Stopwatch Mode and Twin Timer Mode with a Power Interrupt Hold Function increase applicability.

# Ordering Information

## List of Models

Type	Time specifications	Operating modes	External connections	Input	Output	Supply voltage	Models
<b>NEW</b> H5CX-A series	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	Screw terminals	Contact output (time-limit SPDT) Transistor output (SPST)	100 to 240 VAC	H5CX-A-N	
					12 to 24 VDC/ 24 VAC	H5CX-AD-N	
					100 to 240 VAC	H5CX-AS-N	
					12 to 24 VDC/ 24 VAC	H5CX-ASD-N	
					100 to 240 VAC	H5CX-A11-N	
		<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	11-pin socket	Contact output (time-limit SPDT) Transistor output (SPST)	12 to 24 VDC/ 24 VAC	H5CX-A11D-N	
					100 to 240 VAC	H5CX-A11S-N	
					12 to 24 VDC/ 24 VAC	H5CX-A11SD-N	
					100 to 240 VAC	H5CX-L8-N	
					12 to 24 VDC/ 24 VAC	H5CX-L8D-N	
<b>NEW</b> H5CX-L series		<b>Timer Mode</b> A-2: Power ON Delay I b: Repeat cycle 1 E: Interval Z: ON/OFF-duty-adjustable flicker	8-pin socket	Contact output (time-limit SPDT) Transistor output (SPST)	100 to 240 VAC	H5CX-L8S-N	
					12 to 24 VDC/ 24 VAC	H5CX-L8SD-N	
					100 to 240 VAC	<b>Added to the Series</b> H5CX-L8E-N	
					12 to 24 VDC/ 24 VAC		
					12 to 24 VDC/ 24 VAC	<b>Added to the Series</b> H5CX-L8ED-N	
<b>NEW</b> H5CX-B series	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)	12 to 24 VDC	H5CX-BWSD-N

## Accessories (Order Separately)

### Front Panels (Replacement Parts)

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	

## Further Information

Refer to these Datasheets for detailed information.



Digital Timer  
**H5CX**

Cat. No. L111-E1



Multifunction Counter/  
Tachometer  
**H7CX**

Cat. No. M081-E1



Multifunction Counter/  
Tachometer  
**H7CX**

Cat. No. M079-E1

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[H5CX-AS AC100-240](#) [H5CX-ASD AC24/DC12-24](#) [H5CX-L8SD AC/DC12-24](#)