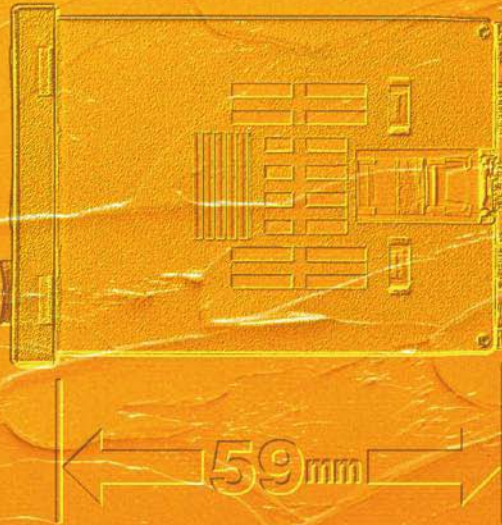


## Digital Timer

H5CX-□-N

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



**Shortest Body**

\*Models for 24 VAC/12 to 24 VDC.  
According to OMRON investigation June 2009.



Standard/Economy Type  
H5CX-A-L series



Six-digit Type  
H5CX-B series

**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.



## 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.

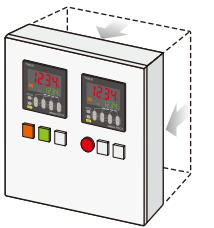
**Models with terminal blocks for 100 to 240 VAC.**

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.

Make Thinner Panels



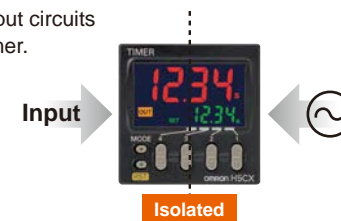
## Safe and Reliable

### Isolated Power Supply and Input Circuits

Prevent Unwanted Circuit Paths

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.

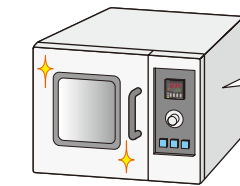
\*Specifications: 100 to 240 VAC.



### Setting Upper Limit

Prevent Unexpected Operation

Restricting the set time help prevent incorrect settings.



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

### Output ON Count Alarm Indication

Service Life Notification

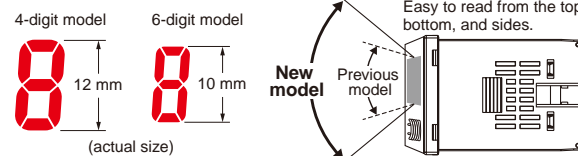
The number of times that the control output turns ON is counted and an alarm is displayed when a preset count is exceeded. This function is useful in preventive maintenance for the service life of the Timer or the load.

## Easier to Read

### Character Height: 12 mm

Large Characters

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

Status Monitoring

Using Green When Output Is OFF Using Orange When Output Is ON



\*Display colors can be switched only on models with terminal blocks.

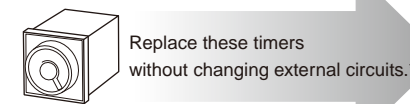
## More Complete Lineup

### 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.

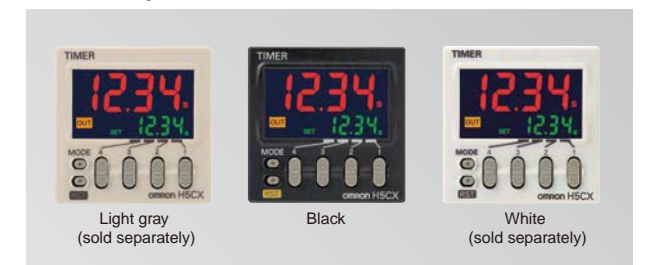


### Replaceable Front Panel

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	Signal, Reset, Gate (NPN/ PNP input)	Contact output (time-limit SPDT)	100 to 240 VAC	<b>H5CX-A-N</b>
						12 to 24 VDC/ 24 VAC	<b>H5CX-AD-N</b>
			Transistor output (SPST)		100 to 240 VAC	<b>H5CX-AS-N</b>	
					12 to 24 VDC/ 24 VAC	<b>H5CX-ASD-N</b>	
			Contact output (time-limit SPDT)		100 to 240 VAC	<b>H5CX-A11-N</b>	
					12 to 24 VDC/ 24 VAC	<b>H5CX-A11D-N</b>	
Transistor output (SPST)	100 to 240 VAC	<b>H5CX-A11S-N</b>					
	12 to 24 VDC/ 24 VAC	<b>H5CX-A11SD-N</b>					
<b>NEW</b> H5CX-L 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 9999.9 h 1 to 9999 h	<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	8-pin socket	Signal, Reset (NPN input)	Contact output (time-limit SPDT)	100 to 240 VAC	<b>H5CX-L8-N</b>
						12 to 24 VDC/ 24 VAC	<b>H5CX-L8D-N</b>
			Transistor output (SPST)		100 to 240 VAC	<b>H5CX-L8S-N</b>	
					12 to 24 VDC/ 24 VAC	<b>H5CX-L8SD-N</b>	
			Contact output (time-limit SPDT + instantaneous SPDT)		100 to 240 VAC	<b>Added to the Series H5CX-L8E-N</b>	
			Models with instantaneous contact outputs		12 to 24 VDC/ 24 VAC	<b>Added to the Series H5CX-L8ED-N</b>	
<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 9999.9 h	A: Signal ON Delay I F-1: Cumulative	Screw terminals	Signal, Reset, Gate (NPN/ PNP input)	Transistor output (DPST)	12 to 24 VDC	<b>H5CX-BWSD-N</b>

## Accessories (Order Separately)

### Front Panels (Replacement Parts)

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>	

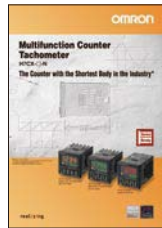
## Further Information

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

**OMRON Corporation**  
Industrial Automation Company

Control Devices Division H.Q.  
Industrial Component Division  
2-2-1 Nishikusatsu, Kusatsu-shi,  
Shiga, 525-0035 Japan  
Tel: (81) 77-565-5160/Fax: (81) 77-565-5569

**Regional Headquarters**  
**OMRON EUROPE B.V.**  
Wegalaan 67-69-2132 JD Hoofddorp  
The Netherlands  
Tel: (31)2356-81-300/Fax: (31)2356-81-388

OMRON Industrial Automation Global: [www.ia.omron.com](http://www.ia.omron.com)

**OMRON ELECTRONICS LLC**  
One Commerce Drive Schaumburg,  
IL 60173-5302 U.S.A.  
Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

**OMRON ASIA PACIFIC PTE. LTD.**  
No. 438A Alexandra Road # 05-05/08 (Lobby 2),  
Alexandra Technopark, Singapore 119967  
Tel: (65) 6835-3011/Fax: (65) 6835-2711

**OMRON (CHINA) CO., LTD.**  
Room 2211, Bank of China Tower,  
200 Yin Cheng Zhong Road,  
PuDong New Area, Shanghai, 200120, China  
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

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