

Improved design for better visibility and clarity



New and improved design for easier use, setting and maintenance

The H7CC series improves overall user experience through better visual feedback and operation, user interface and predictive remaining lifetime of counter.

The improved user interface is intuitive and offers better overall visibility

White LCD display and color universal design offer better visual clarity and visibility

Sharp white text prevents misreading of display information.

6-digit up/down keys for better user-interface



User interface streamlined to accomplish most operations in approximately half the number of button operations*1

Intuitive LED user-interface guide

Examples of LED display

LED guides configuration range

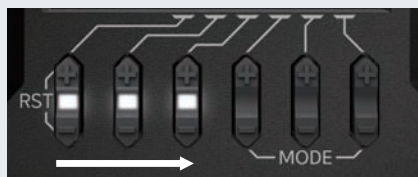
Input mode (CNTM)/setting a mode



Startup time (STMR)/setting 3 digits



At-a-glance view of count progress



Count progress is displayed in "levels," allowing for visibility even from a distance.

Button LED's flash to indicate keys being operated

Reset Operation



To prevent operational errors, reset by pressing and holding RST keys (+ and - on the left). Then, when the reset is enabled, you will be visually guided by blinking LEDs.

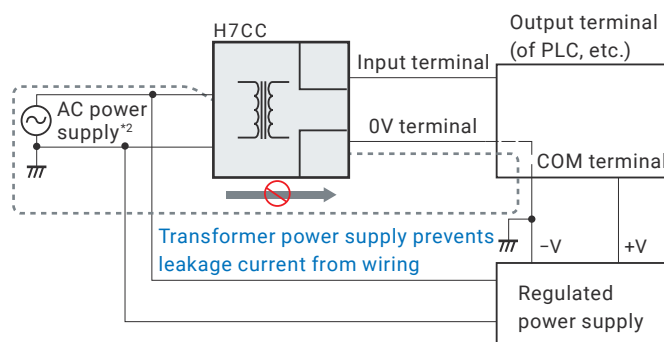
Mode Operation



LED flash allows for reliable operation in dark environments

Optimized wiring design

Power supply and input have been isolated, eliminating special considerations for grounding or leakage current.

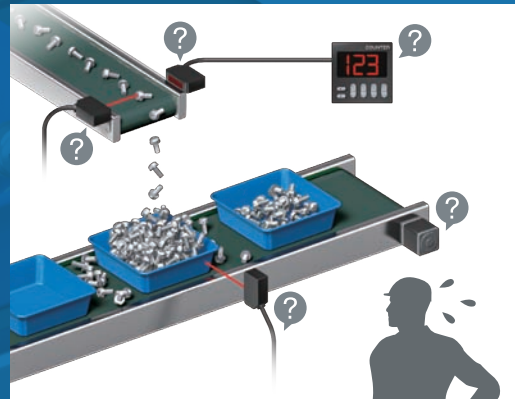


Replacement time notification function notifies the user of potential preventive maintenance

FROM

Have you ever looked at a counter to find that it has stopping functioning properly?

When a counter's service life expires, there are multiple ways it can potentially fail. For example, it may stop suddenly or become incapable of performing certain control functions. Preventative maintenance to avoid such mechanical failures or identifying the cause when such a failure occurs, may require a significant effort and time.



A single error may have several contributing factors

TO

Prevents unexpected downtime by communicating device replacement timing

When an H7CC Series counter reaches its replacement time, it will visually notify the user via its display by flashing the count value and "RPLC" alternately in one second intervals.

Alert message displayed

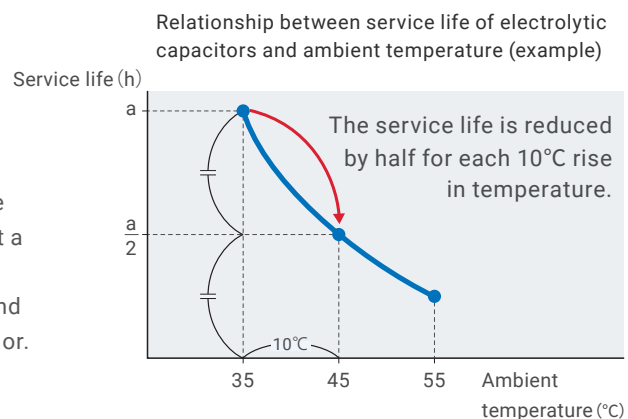


Tool for easily calculating counter replacement time

The rate at which an electrolytic capacitor deteriorates varies according to its use environment. Omron offers a tool that allows you to easily calculate your H7CC counter's replacement time, according to the conditions your using it in. Please refer to our website for more details.

Control devices, including counters, have a limited service life

Each counter has its limited service life. The standard service life of a relay output contact is 100,000 operations. Factoring in the deterioration of the built-in electrolytic capacitors, Omron recommends that a counter be replaced approximately every 7 to 10 years depending on environment. A counter that is used beyond its service life may fail, potentially emitting smoke or odor.



*1. Compared with the previous products

*2. The AC power supply ground is on the commercial power supply side.

List of Models

Type	Classificatic	Conifituration	External connections	Settings	Dis-play digits	Outputs	Power supply voltage	Model
H7CC-A Series	Preset counter	• 1-stage preset counter • Total and preset counter	8-pin socket	1-stage	6 digits	Contact output(SPST)	100 to 240 VAC	H7CC-A8
			11-pin socket				24 VAC/12 to 48 VDC	H7CC-A8D
						Contact output(SPDT)	100 to 240 VAC	H7CC-A11
						Transistor output(SPST)		H7CC-A11S
						Contact output(SPDT)	24 VAC/12 to 48 VDC	H7CC-A11D
						Transistor output(SPST)		H7CC-A11SD
						Contact output(SPDT)	100 to 240 VAC	H7CC-A
			Transistor output(SPST)			H7CC-AS		
	Preset counner/ Tachometer	• 1-stage preset counter • 2-stage preset counter • Total and preset counter • Batch counter • Dual counter • Twin counter • Tachometer	Screw terminals	2-stage		Contact output(SPDT)	24 VAC/12 to 48 VDC	H7CC-AD
						Transistor output(SPST)		H7CC-ASD
						Contact output (SPST+SPDT)	100 to 240 VAC	H7CC-AW
						Transistor output (DPST)		H7CC-AWS
						Contact output (SPST+SPDT)	24 VAC/12 to 48 VDC	H7CC-AWD
						Transistor output (DPST)		H7CC-AWSD
H7CC-R Series	Tachometer	• Tachometer	11-pin socket	1-stage (1 input and output)	Contact output (SPDT)	100 to 240 VAC	H7CC-R11	
						24 VAC/12 to 48 VDC	H7CC-R11D	
				1-stage (2 inputs and 2outputs)	Contact output (SPDT+SPST)	100 to 240 VAC	H7CC-R11W	
						24 VAC/12 to 48 VDC	H7CC-R11WD	

Key protect function

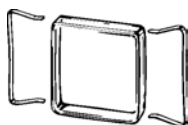
The key protect function prevents failures caused by incorrect operations or settings.

Related catalogs

For product details and additional options and information beyond those described in this catalog, please refer to the datasheets for individual products.

Accessories(Order Seperately)

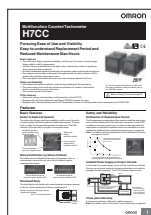
Soft cover
Y92A-48F1



Hard cover
Y92A-48



Cover can be cleaned using alcohol.



H7CC
Datasheet

Cat.M094-E1



H5CC
Datasheet

Cat.L220-E1

Note: Do not use this document to operate the Unit.

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Cat. No. M095-E1-04 0826 (1220)