PRODUCT NEWS

Product Discontinuation Notices



Product Discontinuation
Timers Recommended Replacement
Timers H5CX-□-N series H5CC-□ series Accessories (Optional Front Panel)
Y92P-CXT series Image: Commended replacement Accessories (Waterproof packing)
Y92S-29 Accessories (Waterproof packing)
Y92S-P6

[Final order entry date]

The end of March, 2025

[Date of The Last Shipping]

The end of June, 2025

[Caution on recommended replacement]

- The H5CX- \Box -N series has a choice of red, green or orange as the color of the present value display (H5CX-A11, H5CX-L8 and H5CX-B series display only red), whereas the H5CC series displays only white.

- The H5CX-□-N series has either 4-digit or 6-digit displays. Each digit of the 4-digit display can be set using the UP/DOWN keys, and the 6-digit display can be set using the UP keys.

As for the H5CC series, only 6-digit display is available and can be set using the UP/DOWN keys.

- The H5CX- \Box -N series has an optional front panel (Y92P-CXT series) as an accessory, but the H5CC series does not have it.

- The MODE key on the H5CX- \Box -N series is a dedicated key, and the mode can be switched over in the forward direction with each key operation. The mode for the H5CC series can be switched over in the forward direction by simultaneously pressing DW1+DW3 (MODE keys) and in the reverse direction by simultaneously pressing UP1+UP3 (MODE keys).

- The RST (reset) key on the H5CX-□-N series is a dedicated key, and the reset operation is performed upon pressing the key. The reset operation for the H5CC series is performed by simultaneously pressing UP6+ DW6 (RST keys). While pressing and holding the keys, the LED on each key starts blinking and then turns OFF, indicating that the reset operation is completed. If you release the keys while blinking, the reset operation will be interrupted.

- In the H5CX- \Box -N series, some settings can be configured using DIP switches, but in the H5CC series, DIP switches have been removed and all settings can be done through key operations.

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Recommended replacement Model	Body Color	Dimen- sions	Wire connection	Mounting Dimensions	Charac- teristics	Operation ratings	Operation methods
H5CC-A□ series	**	*	**	**	**	**	*
H5CC-L□ series	**	**	**	**	**	**	*
H5CC-AWSD	**	**	**	**	**	**	*

[Difference from discontinued product]

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
H5CX-A-N 100-240 VAC	H5CC-A 100-240 VAC
H5CX-AD-N 24 VAC / 12-24 VDC	H5CC-AD 24 VAC / 12-48 VDC
H5CX-A11-N 100-240 VAC	H5CC-A11 100-240 VAC
H5CX-A11D-N 24 VAC / 12-24 VDC	H5CC-A11D 24 VAC / 12-48 VDC
H5CX-A11S-N 100-240 VAC	H5CC-A11S 100-240 VAC
H5CX-A11SD-N 24 VAC / 12-24 VDC	H5CC-A11SD 24 VAC / 12-48 VDC
H5CX-AS-N 100-240 VAC	H5CC-AS 100-240 VAC
H5CX-ASD-N 24 VAC / 12-24 VDC	H5CC-ASD 24 VAC / 12-48 VDC
H5CX-BWSD-N 12-24 VDC	H5CC-AWSD 24 VAC / 12-48 VDC
H5CX-L8-N 100-240 VAC	H5CC-L8 100-240 VAC
H5CX-L8D-N 24 VAC / 12-24 VDC	H5CC-L8D 24 VAC / 12-48 VDC
H5CX-L8D-N-302 24 VAC / 12-24 VDC	H5CC-L8D 24 VAC / 12-48 VDC
H5CX-L8E-N 100-240 VAC	H5CC-L8E 100-240 VAC
H5CX-L8ED-N 24 VAC / 12–24 VDC	H5CC-L8ED 24 VAC / 12-48 VDC
H5CX-L8S-N 100–240 VAC	H5CC-L8S 100-240 VAC
H5CX-L8SD-N 24 VAC / 12–24 VDC	H5CC-L8SD 24 VAC / 12-48 VDC
Y92P-CXT4G	No recommended replacement
Y92P-CXT4S	No recommended replacement
Y92P-CXT4B	No recommended replacement
Y92S-29	Y92S-P6

[Body color]

Product discontinuation	Recommended replacement
H5CX-□-N series	H5CC-□ series
H5CX-D-N series	H5CC- series
Black (N1.5)	Black (N1.5)
Accessories (Optional front panel) y92P-CXT seriesY92P-CXT4GLight gray (5Y7/1) Y92P-CXT4BY92P-CXT4BBlack (N1.5) White (5Y9.2/0.5)Y92P-CXT4SWhite (5Y9.2/0.5)Image: Display of the panel of the	No recommended replacement

[Dimensions]



[Wire connection]

Wire connection] Product discontinuation H5CX-□-N series	Recommended replacement H5CC-□ series
H5CX-A-N/-AD-N	H5CC-A/-AD
H5CX-AS-N/-ASD-N	H5CC-AS/-ASD-N
(-)	(-)
H5CX-A11S-N/-A11SD-N	H5CC-A11S/-A11SD

[Wire connection]



[Mounting dimensions]

Product discontinuation H5CX-□-N series	Recommended replacement H5CC-□ series		
H5CX-⊡-N series	H5CC-□ series		
$+ 45^{+0.6}_{0.6} + 45^{+0.6}_{1.5 \text{ min.}}$	Same as on the left		
Image: Number of the systemWith Y92A-48F1 attached. A={48n-2.5+(n-1)×4}_{-0}^{+1} With Y92A-48 attached. A=(48n-2.5)_{-0}^{+1}Image: Number of the systemImage: Number of the system A=(48n-2.5)_{-0}^{+1}Image: Number of the system A=(48n-2.5)_{-0}^{+1}Image: Number of the system A=(48n-2.5)_{-0}^{+1}			

[<u>Characteristics]</u>

	Item	Product discontinuation H5CX-A□-N/-L□-N series	Recommended replacement H5CC-A□/-L□ series
Classifica	ation	H5CX-A□-N Standard Type H5CX-L8□-N Economy Type	H5CC-A□ Standard Type H5CC-L8□ Economy Type
	Power supply voltage	100 to 240 VAC 50/60 Hz 12 to 24 VDC / 24 VAC 50/60 Hz	100 to 240 VAC 50/60 Hz 12 to 48 VDC / 24 VAC 50/60 Hz
Ratings	Allowable voltage fluctuation range	85% to 110% of rated supply voltage (90% to 110% at 12 to 24 VDC)	85% to 110% of rated supply voltage (90% to 110% at 12 to 48 VDC)
	Power consumption	Approx. 6.2 VA at 100 to 240 VAC, Approx. 5.1 VA/2.4 W at 24 VAC/12 to 24 VDC	Approx. 6.5 VA at 100 to 240 VAC Approx. 5.4 VA/3.2 W at 24 VAC/12 to 48 VDC
Mounting	j method	 H5CX-A□-N Flush mounting H5CX-A11□-N/-L8□-N Flush mounting, surface mounting, DIN track mounting 	 H5CC-A□ Flush mounting H5CC-A11□/-L8□ Flush mounting, surface mounting, DIN track mounting
External connections		 H5CX-A□-N Standard Type H5CX-A11□-N 11-pin socket H5CX-L8□-N 8-pin socket 	 H5CC-A Screw terminals H5CC-A11 11-pin socket H5CC-L8 8-pin socket
Degree o	f protection	IEC IP66, UL508 Type 4X (indoors) for panel surface only and when Y92S-29 Waterproof Packing is used	IEC IP66 for panel surface only and when Y92S-P6 Waterproof Packing is used
Digits		4 digits	6 digits
Time ranges		0.001 s to 9.999 s, 0.01 s to 99.99 s, 0.1 s to 999.9 s, 1 s to 9999 s, 1 s to 99 min 59 s, 0.1 m to 999.9 min, 1 min to 9999 min, 1 min to 99 h 59 min, 0.1 h to 999.9 h, 1 h to 9999 h	0.001 s to 999.999 s, 0.01 s to 9999.99 s, 0.1 s to 99999.9 s, 1 s to 999999 s, 1 s to 99 h 59 min 59 s, 0.1 m to 99999.9 min, 1 min to 999999 min, 1 min to 9999 h 59 min, 0.1 h to 99999.9 h, 1 h to 999999 h
Timer mo	ode	Elapsed time (Up), remaining time (Down) (selectable)	Elapsed time (Up), remaining time (Down) (selectable)
Inputs	Input signals	 H5CX-A□-N Signal, Reset, Gate H5CX-L8□-N Signal, Reset (no inputs on the H5CX-L8E□-N) 	 H5CC-A□ Signal, Reset, Gate H5CC-L8□ Signal, Reset (no inputs on the H5CC-L8E□)

	lte	em	Product discontinuation H5CX-A□-N/-L□-N series	Recommended replacement H5CC-A□/-L□ series
Input method Inputs		method	• H5CX-A \square -N No-voltage (NPN) input/voltage (PNP) input (switchable) [No-voltage Input] ON impedance: 1 k Ω max. (Leakage current: 12 mA when 0 Ω) ON residual voltage: 3 V max. OFF impedance: 100 k Ω min. [Voltage Input] High (logic) level: 4.5 to 30 VDC Low (logic) level: 4.5 to 30 VDC Low (logic) level: 0 to 2 VDC (Input resistance: approx. 4.7 k Ω) • H5CX-L8 \square -N [No-voltage Input] ON impedance: 1 k Ω max. (Leakage current: 12 mA when 0 Ω) ON residual voltage: 3 V max. OFF impedance: 100 k Ω min.	• H5CC-A No-voltage (NPN) input/voltage (PNP) input (switchable) [No-voltage input] ON impedance: 1 k Ω max. (Leakage current: approx. 12 mA when 0 Ω) ON residual voltage: 3 V max. OFF impedance: 100 k Ω min. [Voltage input] High (logic) level: 4.5 to 30 VDC Low (logic) level: 0 to 2 VDC (Input resistance: approx. 4.7 k Ω) • H5CC-L8 [No-voltage input] ON impedance: 1 k Ω max. (Leakage current: 12 mA when 0 Ω) ON residual voltage: 3 V max. OFF impedance: 100 k Ω min.
	Minim width	um input signal	1 or 20 ms (selectable)	1 or 20 ms (selectable)
Reset sy	stem		Power reset (depending on output mode), external reset, manual reset, automatic reset (depending on output mode)	Power reset (depending on output mode), external reset, manual reset, automatic reset (depending on output mode)
Power re	set		Minimum power-opening time: 0.5 s (except for A-3, b-1, F, ton-1, and toff-1 mode)	Minimum power-opening time: 0.5 s (except for A-3, b-1, F, ton-1, and toff-1 mode)
Reset vo	ltage		10% max. of rated supply voltage	10% max. of power supply voltage
Sensor w	vaiting ti	ime	250 ms max. (Control output is turned OFF and no input is accepted during sensor waiting time.)	250 ms max. (Control output is turned OFF and no input is accepted during sensor waiting time.)
Output Output modes		Output modes	Other than H5CX-L8E□-N A: Signal ON Delay I A-1: Signal ON Delay II A-2: Power ON Delay II 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 toff: Flicker OFF Start 1 toff-1: Flicker OFF Start 2 ton-1: Flicker ON Start 2 H5CX-L8E□-N A-2: Power ON Delay I b: Repeat Cycle 1 E: Interval Z: ON/OFF-duty-adjustable flicker toff: Flicker OFF Start 1 tor: Flicker OFF Start 1 tor: Flicker ON Delay I b: Repeat Cycle 1 E: Interval Z: ON/OFF-duty-adjustable flicker toff: Flicker OFF Start 1 tor: Flicker OFF Start 1 tor: Flicker OFF Start 1 tor: Flicker OFF Start 1	 Other than H5CC-L8E A: Signal ON delay I A-1: Signal ON delay II A-2: Power ON delay II A-3: Power ON delay II b: Flicker I b-1: Flicker II b-5: One-shot flicker C: Signal OFF delay I d: Signal OFF delay I E: Interval F: Cumulative G: Signal OFF delay II H: Signal OFF delay II H: Signal OFF delay II Z: ON/OFF-duty-adjustable flicker S: Stopwatch toff: Flicker OFF start I ton: Flicker ON start II toff-1: Flicker OFF start III ton-1: Flicker ON start II toff-2: Power ON delay I b: Flicker I E: Interval Z: ON/OFF-duty-adjustable flicker toff: Flicker OFF start II ton-1: Flicker OFF start I

Item		Product discontinuation H5CX-A□-N/-L□-N series	Recommended replacement H5CC-A□/-L□ series
	One-shot time	0.01 to 99.99 s	0.01 to 99.99 s
Output	Control output	 Models with Contact Outputs 5 A at 250 VAC/30 VDC, resistive load (cos =1) Minimum applied load: 10 mA at 5 VDC (failure level: P, reference value) Contact materials : AgSnIn Transistor output: NPN open collector, 100 mA at 30 VDC max., residual voltage: 1.5 VDC max. (Approx. 1 V), Leakage current: 0.1 mA max. 	 Models with Contact Outputs 5 A at 250 VAC/30 VDC, resistive load (cos = 1) Minimum applicable load: 10 mA at 5 VDC (failure level: P, reference value) Contact materials: AgSnIn Transistor output: NPN open collector, 100 mA at 30 VDC max., residual voltage: 1.5 VDC max. (Approx. 1 V), Leakage current: 0.1 mA max.
Display method		 H5CX-A -N 7-segment, negative transmissive LCD Present value: 12-mm-high characters, (switchable between red, green, and orange) Set value: 6-mm-high characters, green Other than H5CX-A -N 7-segment, negative transmissive LCD Present value: 12-mm-high characters, red Set value: 6-mm-high characters, green 	7-segment, negative transmissive LCD Present value: 10-mm-high characters, white Set value: 6-mm-high characters, green
Memory I	backup	No-volatile memory (overwrites: 100,000 times min.) that can store data for 10 years min.	No-volatile memory (overwrites: 100,000 times min.) that can store data for 10 years min.
Operating	g temperature range	-10 to 55°C (-10 to 50°C if counters are mounted side by side) (with no icing or condensation)	-10 to 55°C (-10 to 50°C if timers are mounted side by side) (with no icing or condensation)
Storage t	emperature range	-25 to 70°C (with no icing or condensation)	-25 to 70°C (with no icing or condensation)
Operating humidity range		25% to 85%	25% to 85%
Case color		Black (N1.5) (Optional Front Panels are available to change the Front Panel color to light gray or white.)	Black (N1.5)
Attachments		 H5CX-A□-N Flush mounting adapter, waterproof packing, terminal cover, label for DIP switch settings H5CX-A11□-N Label for DIP switch settings H5CX-L8□-N N/A 	 H5CC-A□ Flush mounting adapter, waterproof packing, terminal cover H5CC-A11□ N/A H5CC-L8□ N/A
Accuracy of operating time and setting error (including temperature and voltage influences)		Power-ON start: ±0.01%±0.05 s max. *1 Signal start: ±0.005%±0.03 s max. *1 Signal start for transistor output model: ±0.005%±3 ms max. *1 *2 If the set value is within the sensor waiting time at startup the control output of the H5CC will not turn ON until the sensor waiting time passes. *1. The values are based on the set value. *2. The value is applied for a minimum input signal width of 1 ms.	Power-ON start: ±0.01%±0.05 s max. ^{*1} Signal start: ±0.005%±0.03 s max. ^{*1} Signal start for transistor output model: ±0.005%±3 ms max. ^{*1 *2} If the set value is within the sensor waiting time at startup the control output of the H5CC will not turn ON until the sensor waiting time passes. *1. The values are based on the set value. *2. The value is applied for a minimum input signal width of 1 ms.
Insulation resistance		100 M Ω min. (at 500 VDC) between current-carrying terminal and exposed non-current-carrying metal parts, and between non-continuous contacts	100 MΩ min. (at 500 VDC) between current-carrying terminal and exposed non-current-carrying metal parts, between non-continuous contacts



Item		Product discontinuation H5CX-A□-N/-L□-N series	Recommended replacement H5CC-A□/-L□ series
		2,000 VAC, 50/60 Hz for 1 min between current-carrying metal parts and non- current-carrying metal parts	2,900 VAC, 50/60 Hz for 1 min between current-carrying terminal and operating section
		2,000 VAC, 50/60 Hz for 1 min between power supply and input circuits for the models other than H5CX-□D-N and H5CX-L8E□-N	2,000 VAC, 50/60 Hz for 1 min between power supply and input circuits for models other than the H5CC-L8E (1,500 VAC for 12 to 48 VDC/24 VAC)
Dielectric streng	th	1,000 VAC, 50/60 Hz for 1 min between control output and power supply/input circuits for the models other than H5CX-L8E□-N for H5CX-□SD-N	1,500 VAC, 50/60 Hz for 1 min between control output and power supply/input circuits (for models other than the H5CC-L8E for H5CC- SD
		2,000 VAC, 50/60 Hz for 1 min between control output and power supply/input circuits (for models other than the H5CX-L8E□-N) for other models	2,000 VAC, 50/60 Hz for 1 min between control output and power supply/input circuits (for models other than the H5CC-L8E) for other models
		1,000 VAC, 50/60 Hz for 1 min between non-continuous contacts	1,000 VAC, 50/60 Hz for 1 min between non-continuous contacts
Impulse withstand voltage		5 kV (between power terminals) for 100 to 240 VAC, 1 kV for 24 VAC/12 to 24 VDC 5 kV (between current-carrying terminal and exposed non-current carrying metal parts) for 100 to 240 VAC 1.5 kV for 24 VAC/12 to 24 VDC	5 kV (between power terminals) for 100 to 240 VAC, 1.0 kV for 24 VAC/12 to 48 VDC 7.4 kV (between current-carrying terminal and operating section)
Static immunity		Malfunction: 8 kV Destruction: 15 kV	Malfunction: 8 kV Destruction: 15 kV
Vibration	Destruction	10 to 55 Hz with 0.75-mm single amplitude each in three directions for 2 h each	10 to 55 Hz with 0.75-mm single amplitude each in three directions for 2 h each
resistance	Malfunction	10 to 55 Hz with 0.35-mm single amplitude each in three directions for 10 min each	10 to 55 Hz with 0.35-mm single amplitude each in three directions for 10 min each
Shock	Destruction	300 m/s ² in three directions, three cycles	300 m/s ² in three directions, three cycles
resistance	Malfunction	100 m/s ² in three directions, three cycles	100 m/s ² in three directions, three cycles
Life	Mechanical	10,000,000 operations min. (under no load at 1,800 operations/h and ambient temperature of 23°C)	10,000,000 operations min. (under no load at 1,800 operations/h and ambient temperature of 23°C)
expectancy	Electrical	100,000 operations min. (5 A at 250 VAC, resistive load at 1,800 operations/h and ambient temperature of 23°C)	100,000 operations min. (5 A at 250 VAC, resistive load at 1,800 operations/h and ambient temperature of 23°C)
Weight		Approx. 115 g	Approx. 115 g

[<u>Characteristics</u>]

Item		m	Product discontinuation H5CX-BWSD-N	Recommended replacement H5CC-AWSD
Classifica	ation		Digital Timer with two-stage setting, and forecast output	Digital Timer with two-stage setting, and forecast output
	Power	supply voltage	12 to 24 VDC	12 to 48 VDC / 24 VAC 50/60 Hz
Ratings		ble voltage tion range	90% to 110% rated supply voltage	90% to 110% rated supply voltage
	Power	consumption	Approx. 2.3 W	Approx. 5.4 VA/3.2 W
Mounting	g method	ł	Flush mounting	Flush mounting
External	connecti	ions	Screw terminals	Screw terminals
Degree o	f protect	lion	IEC IP66, UL508 Type 4X (indoors) for panel front surface only and only when Y92S-29 Waterproof Packing is used	IEC IP66 for panel surface only and when Y92S-P6 Waterproof Packing is used
Digits			6 digits	6 digits
Time ranges			0.01 s to 9999.99 s, 1 s to 99 h 59 min 59 s, 0.1 min to 99999.9 min, 0.1 h to 99999.9 h	0.001 s to 999.999 s, 0.01 s to 9999.99 s, 0.1 s to 99999.9 s, 1 s to 999999 s, 1 s to 99 h 59 min 59 s, 0.1 min to 99999.9 min, 1 min to 999999 min, 1 min to 9999 h 59 min, 0.1 h to 99999.9h, 1 h to 999999 h
Timer mo	ode		Elapsed time (Up)	Elapsed time (Up)
	Input s	ignals	Signal, reset, gate	Signal, reset, gate
Inputs Input method		nethod	No-voltage (NPN) input/voltage (PNP) input (switchable) [No-voltage Input] ON impedance : $1 k\Omega max$. (Leakage current: $12 mA$ when 0Ω) ON residual voltage : $3 V max$. OFF impedance : $100 k\Omega min$. [Voltage Input] High (logic) level : $4.5 to 30 VDC$ Low (logic) level : $0 to 2 VDC$ (Input resistance: approx. $4.7 k\Omega$)	No-voltage (NPN) input/voltage (PNP) input (switchable) [No-voltage input] ON impedance: $1 k\Omega$ max. (Leakage current: 12 mA when 0Ω) ON residual voltage: 3 V max. OFF impedance: $100 k\Omega$ min. [Voltage input] High (logic) level: $4.5 \text{ to } 30 \text{ VDC}$ Low (logic) level: $0 \text{ to } 2 \text{ VDC}$ (Input resistance: approx. $4.7 \text{ k}\Omega$)
	Signal,	reset, gate	Minimum input signal width: 1 or 20 ms (selectable)	Minimum input signal width: 1 or 20 ms (selectable)
Reset sys	stem		Power resets (only for A mode), external and manual reset	Power resets (only for A mode), external and manual reset
Power re	set		Minimum power-opening time: 0.5 s (except for F-1 mode)	Minimum power-opening time: 0.5 s (except for F-1 mode)
Reset voltage			10% max. of rated supply voltage	10% max. of power supply voltage
Sensor waiting time		me	250 ms max. (Control output is turned OFF and no input is accepted during sensor waiting time.)	250 ms max. (Control output is turned OFF and no input is accepted during sensor waiting time.)
Output		Output modes	A, F-1	A, F-1
		Output type	Transistor output: NPN open collector, 100 mA at 30 VDC max. residual voltage: 1.5 VDC max. (Approx. 1 V) Leakage current: 0.1 mA max.	Transistor output: NPN open collector, 100 mA at 30 VDC max. residual voltage: 1.5 VDC max. (Approx. 1 V) Leakage current: 0.1 mA max.
Display n	Display method		7-segment, negative transmissive LCD Present value: 10-mm-high characters, red Set value: 6-mm-high characters, green	7-segment, negative transmissive LCD Present value: 10-mm-high characters, white Set value: 6-mm-high characters, green

lte	em	Product discontinuation H5CX-BWSD-N	Recommended replacement H5CC-AWSD
Memory backup		No-volatile memory (overwrites: 100,000 times min.) that can store data for 10 years min.	No-volatile memory (overwrites: 100,000 times min.) that can store data for 10 years min.
Operating tempe	rature range	-10 to 55°C (-10 to 50°C if counters are mounted side by side) (with no icing or condensation)	-10 to 55°C (-10 to 50°C if timers are mounted side by side) (with no icing or condensation)
Storage tempera	ture range	-25 to 70°C (with no icing or condensation)	-25 to 70°C (with no icing or condensation)
Operating humid	lity range	25% to 85%	25% to 85%
Case color		Black (N1.5)	Black (N1.5)
Attachments		Waterproof packing, flush mounting adapter, terminal cover	Waterproof packing, flush mounting adapter, terminal cover
Accuracy of operating time and setting error (including temperature and voltage influences)		Power-ON start: $\pm 0.01\% \pm 0.05$ s max. ^{*1} Signal start: $\pm 0.005\% \pm 0.03$ s max. ^{*1} Signal start for transistor output model: $\pm 0.005\% \pm 3$ ms max. ^{*1 *2} If the set value is within the sensor waiting time at startup the control output of the H5CC will not turn ON until the sensor waiting time passes. *1. The values are based on the set value. *2. The value is applied for a minimum input signal width of 1 ms.	Power-ON start: ±0.01%±0.05 s max. ^{*1} Signal start: ±0.005%±0.03 s max. ^{*1} Signal start for transistor output model: ±0.005%±3 ms max. ^{*1*2} If the set value is within the sensor waiting time at startup the control output of the H5CC will not turn ON until the sensor waiting time passes. *1. The values are based on the set value. *2. The value is applied for a minimum input signal width of 1 ms.
Insulation resista	ance	100 MΩ min. (at 500 VDC) between current-carrying terminal and exposed non-current-carrying metal parts	100 MΩ min. (at 500 VDC) between current-carrying terminal and exposed non-current-carrying metal parts
		2,000 VAC, 50/60 Hz for 1 min between current-carrying metal parts and non- current-carrying metal parts	2,900 VAC, 50/60 Hz for 1 min between current-carrying terminal and operating section
Dielectric streng	th	1,000 VAC, 50/60 Hz for 1 min between control output and power supply/input circuits	1,500 VAC, 50/60 Hz for 1 min between control output and power supply/input circuits
			1,500 VAC, 50/60 Hz for 1 min between power supply and input circuits
Impulse withstar	nd voltage	1.0 kV (between power terminals) 1.5 kV (between current-carrying terminal and exposed non-current- carrying metal parts)	1.0 kV (between power terminals) 7.4 kV (between current-carrying terminal and operating section)
Static immunity		Malfunction: 8 kV Destruction: 15 kV	Malfunction: 8 kV Destruction: 15 kV
Destruction		10 to 55 Hz with 0.75-mm single amplitude in three directions for 2 h each	10 to 55 Hz with 0.75-mm single amplitude each in three directions for 2 h each
resistance	Malfunction	10 to 55 Hz with 0.35-mm single amplitude in three directions for 10 min each	10 to 55 Hz with 0.35-mm single amplitude each in three directions for 10 min each
Shock	Destruction	300 m/s ² in three directions, three cycles	300 m/s ² in three directions, three cycles
resistance	Malfunction	100 m/s ² in three directions, three cycles	100 m/s ² in three directions, three cycles
Weight		Approx. 105 g	Approx. 115 g

[Operation ratings]

he gate input is not included in the H5CX-L8	
Mode A: Signal ON delay 1 (Timer resets when po	
Basic operation	Detailed operation
Power	Power
FOWER	Start signal
Start signal	
input + Timing +	Gate
Output	Reset
Start signal input is disabled during timing.	
Timing starts when the start signal goes ON. While the start signal is ON, the timer starts when the	Control output
power comes ON or when the reset input goes OFF.	B Set value
The control output is controlled using a sustained or one-shot time period.	
Note: Output is instantaneous when setting is 0.	DOWN
Mode A-1: Signal ON delay 2 (Timer resets when p	power comes ON.)
Basic operation	Detailed operation
	Power
Power	
Start signal	Start signal
input - Timing	Gate
Output	
Timing starts when the start signal goes ON, and	Roset
resets when the start signal goes OFF. While the start signal is ON, the timer starts when the	Control output
power comes ON or when the reset input goes OFF. The control output is controlled using a sustained or	Set value
one-shot time period.	Bet value
Note: Output is instantaneous when setting is 0.	E Set value
Mode A-2: Power ON delay 1 (Timer resets when p	
Basic operation	Detailed operation
	Power
Power	Start signal
Output	Gate
Timing starts when the reset input goes OFF. The start signal disables the timing function (i.e.,	Reset
same function as the gate input). The control output is controlled using a sustained or	Control output
one-shot time period.	
Note: Output is instantaneous when setting is 0.	
	Set value
Mode A-3: Power ON delay 2 (Timer does not rese	
Basic operation	Detailed operation
	Power
Power	Start signal
Timing	
Output	Gate
Timing starts when the reset input goes OFF.	Reset
The start signal disables the timing function (i.e., same function as the gate input).	
The control output is controlled using a sustained or	Control output
	· · · · · · · · · · · · · · · · · · ·
one-shot time period. Note: Output is instantaneous when setting is 0.	E Set value
the second se	Bet value
the second se	

[Operation ratings]



[Operation ratings] **Product discontinuation** H5CX-AD-N/-LD-N series Mode d: Signal OFF delay (Timer resets when power comes ON.) **Basic operation Detailed operation** Powe Power Start sign Start signa Timing Gat Output *Start signal input is enabled during timing. The control output is ON when the start signal is ON (except when the power is OFF or the reset is ON). The timer resets when the time is up. Control output Note: Output functions only during start signal input when setting is 0. UF 0 Set value DOWN n Mode E: Interval (Timer resets when power comes ON.) **Basic operation Detailed operation** Power Start signa Start signa Timina Gat Output *Start signal input is enabled during timing. Timing starts when the start signal comes ON. Control or The timer resets when the time is up. While the start signal is ON, the timer starts when the power comes ON or when the reset input goes OFF Note: Output is disabled when the setting is 0. Set v DOWN Mode F: Cumulative (Timer does not reset when power comes ON.) **Basic operation Detailed operation** Powe Start signa Start signal input +-Tin Gate Output Start signal enables timing (timing is stopped when the start signal is OFF or when the power is OFF). R A sustained control output is used. ПГ Control output Note: Output is instantaneous when setting is 0. When the H5CX is used with power start, there will be a timer error (approximately 100 ms each time the H5CX is turned ON) due to the characteristics of the internal circuitry. Use the H5CX with signal start if timer accuracy is required. DOWN 0 Mode Z: ON/OFF-duty-adjustable flicker (Timer resets when power comes ON.) **Basic operation Detailed operation** Start sign Start signal Timing (cycle time) input (cycle tir ie) Gal Timing ON duty (%) Timing ON duty (%) Rese Output *Start signal input is disabled during timing. Control output Timing starts when the start signal goes ON. The status of the control output is reversed when time is Cycle time up (ON at start). While the start signal is ON, the timer starts when power UP ON duty comes ON or when the reset input goes OFF. (%) ON t Note: Normal output operation will not be possible if the set time is too short. Set the value to at least 100 ms (contact output Cycle time ON duty setting (%) ON time DOWN type).

[Operation ratings]

Product discontinuation H5CX-AD-N/-LD-N series



Note: H5CX-L8ED-N Precautions Set the Timer's set value before using the Timer in a self-holding circuit.

[Operation ratings]

Basic operation	Detailed operation			
PowerTiming+	Power			
Time-limit	Reset Key			
Instantaneousoutput	Time-limit contacts, NC			
The Timer starts when the power comes ON or when the reset input goes OFF.	Time-limit contacts, NO			
Note: Output is not instantaneous when setting is 0.	Instantaneous contacts, NC			
	Instantaneous contacts, NO			
	t = Set time, Rt = Reset time (0.5 s min.), t $-a \le t$ (Indicates the time is less than the set time.)			
Mode Z: ON/OFF-duty adjustable flicker (Timer res				
Basic operation	Detailed operation			
	ta the ta Rt ta ta Rt ta			
PowerTiming (cycle time)Timing (cycle time)	Power			
Time-limit output - Timing (cycle time) - Timing (cycle time) - Timing	Power			
Time-limit output stantaneous output The Timer starts when the power comes ON or when	Power Reset Key Time-limit			
Time-limit output Time-limit -Timing (cycle time) -Timing (cyc	Power Reset Key Time-limit Time-limit			
Time-limit output Timing (cycle time) Timing (cyc	Power Reset Key Time-limit contacts, NC Instantaneous			

[Operation ratings]



[Operation ratings]



[Operation ratings]

	Product discontinuation H5CX-BWSD-N
Mode A: Signal ON delay (Timer resets when pow	Per comes ON)
Basic operation	Detailed operation
Start signal input Start signal input Timing Timing Output Outp	Power Start signal Gate Reset Set value Set value Set value (SV 2) OUT2
Note: Output is instantaneous when the set value is 0. Mode F-1: Cumulative (Timer does not reset when Basic operation	The names in parentheses are used for the absolute value setting. power comes ON.) Detailed operation
Forecast Control OUT1 Control OUT1 Control OUT1 Control OUT1 Control OUT1 Control OUT2 OUT2 OUT2 Control OUT2 Control	Power Start signal Conter
 () The names in parentheses are used for the absolute value setting. • Start signal enables timing (timing is stopped when the start signal is OFF or when the power is OFF). • A sustained control output is used. • Timing continues even after the time is up. Note: Output is instantaneous when the set value is 0. When the H5CX is used with power start, there will be a timer error (approximately 100 ms each time the H5CX is turned ON) due to the characteristics of the internal circuitry. Use the H5CX with signal start if timer accuracy is required. 	Set value (SV 2) Forecast value OUT1

Note: 1. The forecast value = set value - forecast set value 2. The forecast set value is used to set the deviation for the set value.

[Operation ratings]

Recommended replacement H5CC-A□/-L□ series

The gate input is not included in the H5CC-L8 \Box	models. Either one-shot output or sustained output can be selected.
Mode A: Signal ON delay I (Timer resets when pov	wer comes ON.)
Basic operation	Detailed operation
	Power
Power	Start signal
*	unon angene
Start signal inputTiming	Gate
Output	Reset
* Start signal input is disabled during timing.	
Timing starts when the start signal goes ON.	Control output
While the start signal is ON, the timer starts when the	E Set value
power comes ON or when the reset input goes OFF. The control output is controlled using a sustained or	
one-shot time period.	E Set value
Note: Output is instantaneous when setting is 0.	0
Mode A-1: Signal ON delay II (Timer resets when p	
Basic operation	Detailed operation
	Power
Power	Start signal
Start signal inputTiming	Gate
Output	Reset
Timing starts when the start signal goes ON, and	
resets when the start signal goes OFF.	Control putput
While the start signal is ON, the timer starts when the	C Set value
power comes ON or when the reset input goes OFF.	UP UP
The control output is controlled using a sustained or	Deep Deep Deep Deep Deep Deep Deep Deep
The control output is controlled using a sustained or one-shot time period.	Set value DOWN
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0.	Set value DOWN
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p	ower comes ON.)
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p	ower comes ON.) Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation	ower comes ON.) Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p	ower comes ON.) Detailed operation Power
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation	ower comes ON.) Detailed operation Power Start signa
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation	ower comes ON.) Detailed operation Power Start signa
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation	ower comes ON.) Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Power Start signal Gate Control output
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Power Start signal Gate Control output
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Power Start signa Gate Control output Start value Due Start value Control output Start value Due Start value Start value Due Start value Start value Due Start value Start value Due Start value Due Start value Start v
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Power Start signal Gate Control output UP Set value Detailed operation Control output Set value Detailed operation Control output Set value DOWN Set value Set value DOWN Set value Set va
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Power Start signa Gate Control output Start value Due Start value Control output Start value Due Start value Start value Due Start value Start value Due Start value Start value Due Start value Due Start value Start v
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Power Start signal Gate Control output UP Set value Detailed operation Control output Set value Detailed operation Control output Set value DOWN Set value Set value DOWN Set value Set va
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	Ower comes ON.) Detailed operation Power Storr signal Gate Control output Soft value Detailed operation t when power comes ON.) Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Power Storr signal Gate Control output Set value Detailed operation Control output Set value Detailed operation The power Control output Set value Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	ower comes ON.) Detailed operation Fower Gate Gate Control output Start signal Sat value Down Start signal Gate Reset Control output Detailed operation The power comes ON.) Detailed operation Fower Start signal Gate Control output Start signal Gate Control output Start signal Gate Control output Start signal Gate Control output Start signal Gate Beset Control output Control output Detailed operation Control output Control
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	over comes ON.) Detailed operation Power Start signal Gate Control output Detailed operation For the power comes ON.) Detailed operation Detailed operation For the power comes ON.) Detailed operation For the power comes ON.) Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	over comes ON.) Detailed operation Power Start signal Gate Control output Detailed operation For the power comes ON.) Detailed operation Detailed operation For the power comes ON.) Detailed operation For the power comes ON.) Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	over comes ON.) Detailed operation Power Start signal Gate Control output Detailed operation For the power comes ON.) Detailed operation Detailed operation For the power comes ON.) Detailed operation For the power comes ON.) Detailed operation
The control output is controlled using a sustained or one-shot time period. Note: Output is instantaneous when setting is 0. Mode A-2: Power ON delay I (Timer resets when p Basic operation Power	over comes ON.) Detailed operation Gate Control culpul gate Control culpul gate Control culpul Set value DOWN Set value Control culpul Set value Control culpul Control cul

[Operation ratings]

Recommended replacement H5CC-A□/-L□ series



[Operation ratings] **Recommended replacement** H5CC-A□/-L□ series Mode b-5: One-shot flicker (Timer resets when power comes ON.) Detailed operation Basic operation Pow Power Start si Start signa Π +Ti +Tim Output, Π Π * Start signal input is disabled during timing. Control output Timing starts when the start signal goes ON. The control output is turned ON when time is up. It resets in one cycle. While the start signal is ON, the timer starts when the power comes ON or when the reset input goes OFF. Set value Note: Normal output operation will not be possible if the set time is too short. Set the value to at least 100 ms (contact output type). DOWN 0 Mode C: Signal ON/OFF delay I (Timer resets when power comes ON.) **Basic operation Detailed operation** Power Start sign Power Gate Π Start Timina Timing Output Control output * Start signal input is enabled during timing. While the start signal is ON, the timer starts when the power comes ON or when the reset input goes OFF. The timer resets when the time is up. Set value UF ó Note: Output is disabled when the setting is 0. DOWN Mode d: Signal OFF delay I (Timer resets when power comes ON.) **Basic operation Detailed** operation Pow Start signa Start sign Gat - Timing -Outpu * Start signal input is enabled during timing. Control outpu The control output is ON when the start signal is ON (except when the power is OFF or the reset is ON). The timer resets when the time is up. Note: Output functions only during start signal input when setting is 0. Timing Set DOWN Mode E: Interval (Timer resets when power comes ON.) **Basic operation** Detailed operation Start sign Start siona Timing Output * Start signal input is enabled during timing. Control outo Timing starts when the start signal comes ON. The timer resets when the time is up. While the start signal is ON, the timer starts when the power comes ON or when the reset input goes OFF. Note: Output is disabled when the setting is 0. DOWN 'n

[Operation ratings]

Recommended replacement H5CC-A□/-L□ series

Mode F: Cumulative (Timer does not reset when pov Basic operation	Detailed operation
Dusic operation	
Power	Power
Start signal	Start signal
Input -Timing -Sustained Timing	Gate
Output	
Start signal enables timing (timing is stopped when the	Reset
start signal is OFF or when the power is OFF).	
A sustained control output is used. Note: Output is instantaneous when setting is 0.	Control output
When the H5CC is used with power-ON start, there will	Set value
be a timer error (approximately 100 ms each time the H5CC is turned ON) due to the characteristics of the	Set value
internal circuit. Use the H5CC with signal start if timer	E Set value
accuracy is required.	
Mode G: Signal ON/OFF delay II (Timer resets when	
Basic operation	Detailed operation
	Power
Power	Start signal
*	Gate
Start signal	
	Reset
Output	Control output
* Start signal input is enabled during timing.	
While the start signal is ON, the timer starts when the	Set value
power comes ON or when the reset input goes OFF. The timer resets when the time is up.	
Note: Output functions only during start signal input	Set value
when setting is 0.	DOWN
Mode H: Signal OFF delay II (Timer resets when pow	
Basic operation	Detailed operation
	Powor
	Start signal
Power	
*	Gate
Start signal	Reset
Output	Control output
Start signal input is enabled during timing.	Set value
······································	
The control output is OFF when the start signal is ON.	
The control output is OFF when the start signal is ON. The timer resets when the time is up.	
The control output is OFF when the start signal is ON. The timer resets when the time is up.	Set value
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0.	Set value DOWN
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese	ts when power comes ON.)
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese	Set value DOWN
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese	ts when power comes ON.)
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese	ts when power comes ON.)
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation	ts when power comes ON.)
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal	set value DOWN DOWN Detailed operation Power Start signal
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input	ts when power comes ON.) Detailed operation Power
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal inputTiming	ts when power comes ON.) Detailed operation Power Start signal Gate
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input Timing (cycle time) (cycle time) Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing Timing	set value DOWN DOWN Detailed operation Power Start signal
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input	ts when power comes ON.) Detailed operation Power Start signal Gate
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input Timing (cycle time) Timing (cycle time) (cycle time)	set value DOWN DOWN Detailed operation Power Start signal Gate Reset Confroi output
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input Timing (cycle time) Timing (cycle time) Timing (cycle time) Timing (cycle time) Timing (cycle time) Timing (cycle time) Timing (cycle time) Timing (cycle time) Timing (cycle time) Timing starts when the start signal goes ON. The status of the control output is reversed when time is	set value DOWN DOWN Detailed operation Power Start signal Gate Reset Confroi output
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input Timing Output * Start signal input is disabled during timing. Timing starts when the start signal goes ON. The status of the control output is reversed when time is up (ON at start). While the start signal is ON, the timer starts when the	set value DOWN DOWN DOWN Down Detailed operation Power Start signal Gate Reset Control output UP When Control output UP When Control output UP
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input (cycle time) Timing (cycle time) (cycle time) (cycl	set value DOWN DOWN Down Detailed operation Power Start signal Gate Reset Confrol output Cycle time Cycle time Cyc
The control output is OFF when the start signal is ON. The timer resets when the time is up. Note: Output is disabled when the setting is 0. Mode Z: ON/OFF-duty-adjustable flicker (Timer rese Basic operation Power Start signal input Timing Output * Start signal input is disabled during timing. Timing starts when the start signal goes ON. The status of the control output is reversed when time is up (ON at start). While the start signal is ON, the timer starts when the	set value DOWN DOWN DOWN Down Detailed operation Power Start signal Gate Reset Control output UP When Control output UP When Control output UP

[Operation ratings]

Recommended replacement H5CC-A□/-L□ series



Set the Timer's set value before using the Timer in a self-holding circuit.

[Operation ratings]

Recommended replacement H5CC-A□/-L□ series

Basic operation	Detailed operation
	t Rt ta
	Power
Power	
+ Timing +	Reset Key
Time-limit	Time-limit confacts, NC
Instantaneous	Time-limit contacts, NO
output The Timer starts when the power comes ON or when	Instantaneous
the reset input goes OFF.	contacts, NC
Note: Output is not instantaneous when setting is 0.	Instantaneous contacts, NO
	I = Set time, Rt = Reset time (0.5 s min.), $I \sim a < t$ (indicates the time is less than the set time.)
Mode Z: ON/OFF-duty-adjustable flicker (Timer res Basic operation	betailed operation
	dty dty dty
Power Timing (cycle time)Timing (cycle time)	Power 11 11
Time-limit	Reset Key
output I Timing I - Timing (ON auty) (ON auty)	Time-limit contacts, NC
Instantaneous output	Time-linit
The Timer starts when the power comes ON or when the reset input goes OFF.	Instantaneous
Note: Normal output operation will not be possible if the set time is too short.	contacts, NC
Set the value to at least 100 ms.	Instantaneous contacts, NO
Note: H5CC-L8E⊡ Precautions Set the Timer's set value before using the	t = Set time, dty = ON duty time, Rt = Reset time (0.5 s min.), t - a < t (Indicates the time is less than the set time.)
Note: H5CC-L8E⊡ Precautions Set the Timer's set value before using the	

[Operation ratings]

Recommended replacement H5CC-A□/-L□ series



[Operation ratings]

Recommended replacement H5CC-A□/-L□ series



Set the Timer's set value before using the Timer in a self-holding circuit.

[Operation ratings]



* The forecast set value is used to set the deviation for the set value.

[Operation methods]

Product discontinuation H5CX-D-N series

H5CX-AD-N/-LD-N

- **Display Section**
- 1. Key Protect Indicator (orange)
- 2. Control Output Indicator (orange) 3. Reset Indicator (orange)
- 4. Present Value Display (Main display)
- (Character height: 12 mm, red *) * Characters on models with screw terminals (H5CX-A) can be switched between red, green, and orange.
- 5. Time Unit Indicators (Color is same as present value display.) (If the time range is 0 min, 0 h, 0.0 h, or 0 h 0 min, these indicators flash to indicate timing operation.)
- 6. Set Value Display (Sub-display) (Character height: 6 mm, green)
- 7. Set Value 1, 2 Indicator (green)

Character Size

6mm

for Set Value

Display

Character Size for Present Value Display



H5CX-BWSD-N

Display Section

- 1. Key Protection Indicator (orange) Lit when the reset input or Reset Key is ON.
- 2. Control Output Indicator (orange) Forecast value setting Forecast output ON: OUT 1 is lit. Control output ON: OUT 2 is lit. Absolute value setting Control output 1 ON: OUT 1 is lit. Control output 2 ON: OUT 2 is lit.
- 3. Reset Indicator (orange) Lit when the reset input or Reset Key is ON.
- 4. Present Value Display (red) Character height: 10 mm If the time range is 0.0 min or 0.0 h, the decimal point flashes to indicate timing operation.
- 5. Time Unit Indicators (green)
- 6. Set Value (green) Character height: 6 mm
- 7. Set Value 1, 2 Indicator (green)





Character Size











8. Mode Key (Changes modes and setting items)

Operation Key



	TIMER	
	1771	CC .
	10.37	
1		UCC
3 -		
8 —	MODE 5 5	hán l
9 —	RST	omron HSCX
	Sixth digit	First digit





Resets present value and output. 10. Up Keys 1 to 6

H5CX-L8



12. DIP Switch

ON t ٦ OFF

[Operation methods]

Recommended replacement H5CC-□ series



TID

[Operation methods]

Product discontinuation H5CX-□-N series

Operating Procedures for Timer Function



Settings for basic functions can be performed with just the DIP switch. Note: There is no DIP switch on the H5CX-L8 \square . Go to Step2.





	Item	OFF	ON	Pin 2	Pin 3	Pin 4	Time range
1	DIP switch settings	Disabled	Enabled	ON	ON	ON	0.001 s to 9.999 s
2		Refer to the table on the right.		OFF	OFF	OFF	0.01 s to 99.99 s
3	Time range			→ ON	OFF	OFF	0.1 s to 999.9 s
4	1			OFF	ON	OFF	1 s to 9999 s
5	Contraction of the	Refer to the	e table on	ON	ON	OFF	0 min 01 s to 99 min 59 s
6	Output modes	the right.		OFF	OFF	ON	0.1 min to 999.9 min
7	Timer mode	UP	DOWN	ON	OFF	ON	0 h 01 min to 99 h 59 min
8	Input signal width	20 ms	1 ms	OFF	ON	ON	0.1 h to 999.9 h

· Be sure to turn ON pin 1 of the DIP switch.

• Changes to DIP switch settings are enabled when the power is turned ON.

(Set the DIP switch while the power is OFF.)

Pin 5	Pin 6	Output mode			
OFF	OFF	Mode A: Signal ON delay 1 (Timer resets when power comes ON.)			
ON	OFF	Mode A-2: Power ON delay 1 (Timer resets when power comes ON.)			
OFF	ON	Mode E: Interval (Timer resets when power comes ON.)			
ON	ON	Mode F: Cumulative (Timer does not reset when power comes ON.)			





[Operation methods]



[Operation methods]

Product discontinuation H5CX-□-N series



Be sure to turn ON pin 1 on the DIP switch.

 Changes to DIP switch settings are enabled when the power is turned ON. (Perform DIP switch settings while the power is OFF.)





[Operation methods]



[Operation methods]



[Operation methods]



[Operation methods]



[Operation methods]



[Operation methods]



Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.