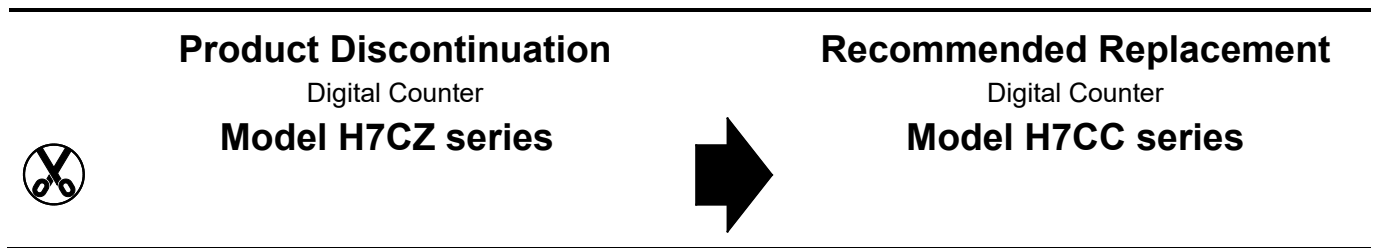


NO: CT-027
DATE: May 2021

PRODUCT: H7CZ
TYPE: Discontinuation Notice

Discontinuation Notice of Solid-state Counter H7CZ series



[Final order entry date]
 The end of March 2022.

[Date of The Last Shipping]
 The end of June 2022.

[Caution on recommended replacement]

- Terminal arrangement

Some of the recommended replacements have different terminal arrangements. For details, see “■Terminal Arrangement/Wiring Connections” (page 2).

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	Operation ratings	Operation methods
Model H7CC series	×	○	○	◎	○	○	○

** : Compatible

* : The change is a little/Almost compatible



-- : Not compatible

- : No corresponding specification

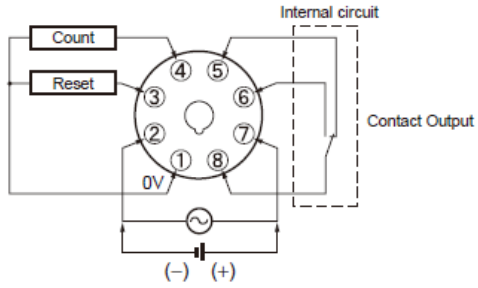
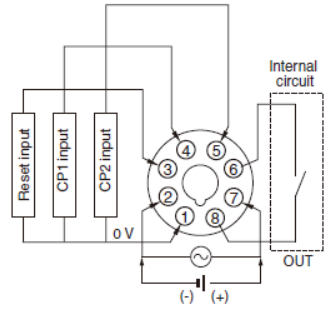
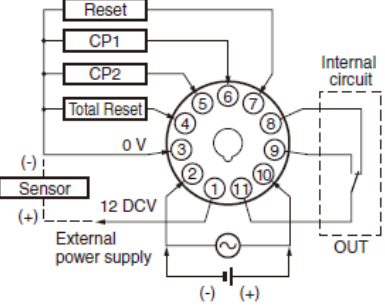
■ **Discontinued product and Recommended replacement**

Discontinued product		Recommended replacement	
Model H7CZ-L8	100 to 240 VAC	Model H7CC-A8	100 to 240 VAC
		Model H7CC-A11	100 to 240 VAC
Model H7CZ-L8D1	24VAC/12 to 24VDC	Model H7CC-A8D	24VAC/12 to 48VDC
		Model H7CC-A11D	24VAC/12 to 48VDC

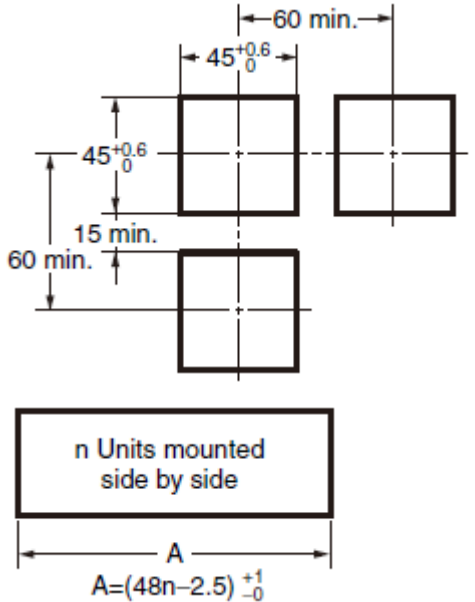
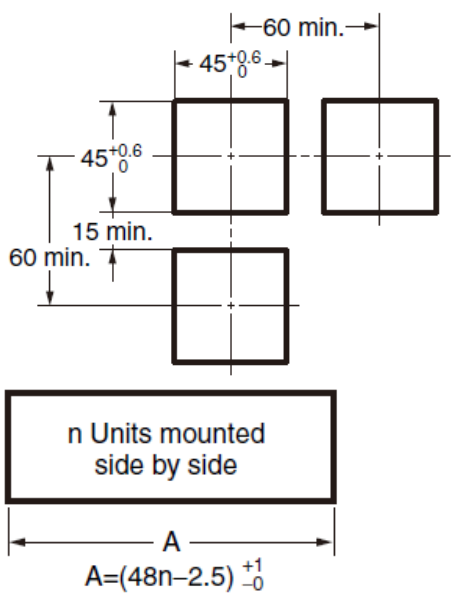
■ **Body color**

Discontinued product Model H7CZ series	Recommended replacement Model H7CC series
<p>Case color : Black (N1.5) Front panel : Light gray (5Y7/1)</p> 	<p>Case color : Black (N1.5)</p> 

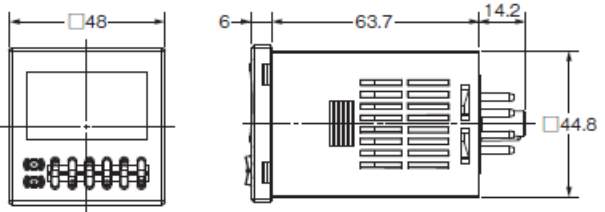
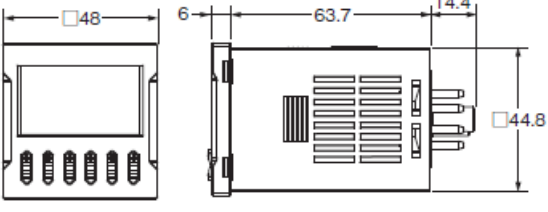
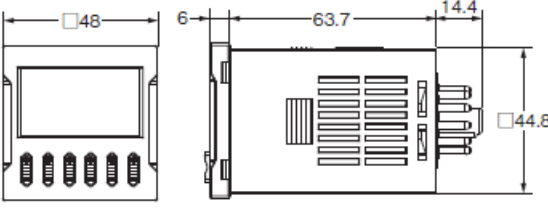
■ Terminal Arrangement/Wiring Connections

Discontinued product Model H7CZ series	Recommended replacement Model H7CC series
<p>1-stage preset counter</p> 	<p>1-stage preset counter H7CC-A8/A8D</p>  <p>H7CC-A11/A11D</p>  <p>Note 1: If replace with 8-pin, the relay output is changed from 1c to 1a. If only a-contact of c-contact is used, it can be replaced with no change. If only b-contact is used, it can be replaced by using the output inversion function (function to invert between NO and NC) of H7CC series. If replace the relay output with 1c, it is necessary to change 8-pin to 11-pin, or to use 1c relay with an external circuit. Note 2: Other than the recommended replacement of H7CC series (including models with 2-stage preset counter and terminal block type) are omitted.</p>

■ Mounting dimensions

Discontinued product Model H7CZ series	Recommended replacement Model H7CC series
<p>Panel Cutouts</p>  <p>n Units mounted side by side</p> <p>A</p> $A=(48n-2.5) \begin{matrix} +1 \\ -0 \end{matrix}$	<p>Panel Cutouts</p>  <p>n Units mounted side by side</p> <p>A</p> $A=(48n-2.5) \begin{matrix} +1 \\ -0 \end{matrix}$ <p>Note: No change from the discontinued product.</p>

■ Dimensions

Discontinued product Model H7CZ series	Recommended replacement Model H7CC series
<p>Model H7CZ series</p> 	<p>H7CC-A8</p>  <p>H7CC-A11</p> 

■ Ratings and Specifications

Item	Discontinued product Model H7CZ series	Recommended replacement Model H7CC series
Type	1-stage preset counter	1-stage preset counter, total preset counter (switchable)
Supply voltage	• 100 to 240 VAC, 50/60Hz • 24 VAC, 50/60Hz/12 to 24 VDC	• 100 to 240 VAC 50/60Hz • 24 VAC, 50/60Hz/12 to 48VDC
Operating voltage range	85% to 110% of rated voltage (12 VDC : 90% to 110%)	85% to 110% of rated voltage (12 to 48 VDC : 90% to 110%)
Power consumption	Approx. 9.4VA (100 to 240 VAC) Approx. 7.2VA/4.7W (24VAC/12 to 24 VDC)	Approx. 6.8VA (100 to 240 VAC) Approx. 5.5VA/3.3W (24VAC/12 to 48VDC)
Degree of protection	IEC IP66, UL508 Type 4X (indoors) for panel surface only and only when Y92S-29 Waterproof Packing is used.	IEC IP66, for panel surface only and only when Y92S-P6 Waterproof Packing is used.
Input signals	Count, Reset	CP1, CP2, Reset, Total reset
Max. counting speeds of count input	30Hz (minimum pulse width 16.7ms), 10kHz (minimum pulse width 0.05ms) (switchable) (ON/OFF ratio: 1 : 1)	30Hz (minimum pulse width 16.7ms), 10kHz (minimum pulse width 0.05ms) (switchable) (ON/OFF ratio: 1 : 1)
Input mode	Increment, decrement (switchable)	Increment (UP), decrement (DOWN), increment/decrement (UP/DOWN A (command input) ,UP/DOWN B (individual input) ,UP/DOWN C (quadrature input) , UP/DOWN D (command input) ,UP/DOWN E (individual input) ,UP/DOWN F (quadrature input) (switchable)
Output mode	N, F, C, R, K-1, P, Q, A (switchable)	N, F, C, R, K-1, P, Q, A, K-2, D, L (switchable)
One-shot output time	0.01 to 99.99s	0.01 to 99.99s
Reset system	External reset (minimum reset signal width: 1 ms or 20 ms, selectable), manual reset and automatic reset (internal according to C, R, P, and Q mode operation)	External reset (minimum reset signal width: 1 ms or 20 ms, selectable), manual reset and automatic reset (internal according to C, R, P, and Q mode operation)
Prescaling function	Yes (0.001 to 99.999)	Yes (0.001 to 99.999)
Decimal point adjustment	Yes (rightmost 3 digits)	Yes (rightmost 3 digits)
Sensor waiting time	290 ms max.	290 ms max.

Input method	No-voltage inputs: ON impedance: 1 k Ω max. (Leakage current: 12 mA at 0 Ω) ON residual voltage: 3 V max. OFF impedance: 100 k Ω min.	No-voltage (NPN) input/voltage (PNP) input (switchable) No-voltage inputs: ON impedance: 1 k Ω max. (Leakage current: 12 mA at 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)
External power supply	No	No H7CC-A8□ Yes H7CC-A11□ 12 VDC (\pm 10%), 100mA
Control output	3 A at 250 VAC/30 VDC, resistive load ($\cos\phi=1$), Minimum applied load: 10 mA at 5 VDC (failure level: P, reference value)	•Contact output: 3 A at 250 VAC/30 VDC, resistive load ($\cos\phi=1$), minimum applied load: 5VDC 10mA (P-level reference value) •Transistor output: 30VDC max. 100mA max. Residual voltage: 1.5 VDC max. (approx. 1 V), leakage current: 0.1 mA max.

■ Ratings and Specifications (Continued)

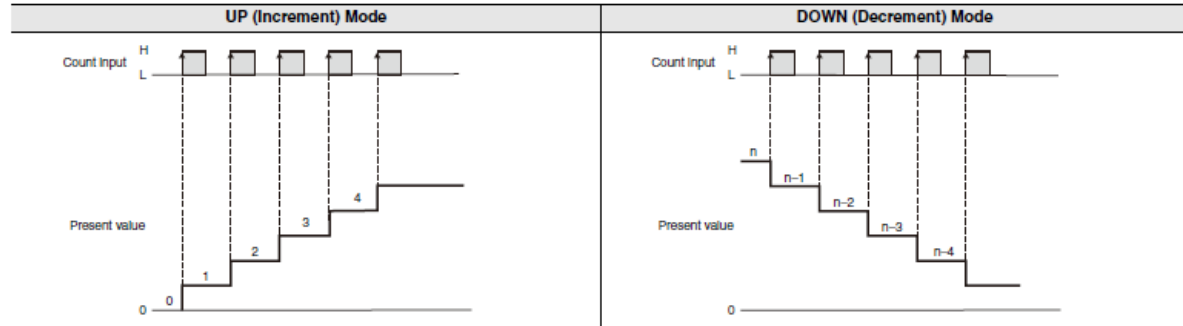
Item	Discontinued product Model H7CZ series	Recommended replacement Model H7CC series
Display	7-segment, positive transmissive LCD Character height Count value: 10 mm Set value: 6 mm	7-segment, negative transmissive LCD Character height Count value: 10 mm (white) Set value: 6 mm (green)
Number of digits	6 digits, -99999 to 999999 (-5 digits to +6 digits)	6 digits, -99999 to 999999 (-5 digits to +6 digits)
Operating temperature range	-10 to 55°C (side-by-side mounting: -10 to 50°C) (with no icing or condensation)	-10 to 55°C (side-by-side mounting: -10 to 50°C) (with no icing or condensation)
Storage temperature 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%
Insulation resistance	100 M Ω min. (at 500 VDC) between current-carrying terminal and exposed noncurrent-carrying metal parts, and between non-continuous contacts	100 M Ω min. (at 500 VDC) between current-carrying terminal and exposed noncurrent-carrying metal parts, and between non-continuous contacts

Dielectric strength		<p>Between current-carrying metal parts and non-current carrying metal parts : 2,000 VAC, 50/60 Hz for 1 min</p> <p>Between power supply and input circuit : 2,000 VAC, 50/60Hz 1min (1,000 VAC for 24 VAC/12 to 24 VDC)</p> <p>Between control output, power supply, and input circuit :AC2,000V 50/60Hz 1min</p> <p>Between non-continuous contacts : 1,000 VAC, 50/60 Hz for 1 min</p>	<p>Between current-carrying metal parts and non-current carrying metal parts : 2,000 VAC, 50/60 Hz for 1 min</p> <p>Between power supply and input circuit : 2,000 VAC, 50/60Hz 1min (except H7CC-□D□) (1,500 VAC for 24 VAC/12 to 48 VDC)</p> <p>Between control output, power supply, and input circuit :AC1,500V 50/60Hz 1min (H7CC-□SD□) 2,000 VAC 50/60 Hz for 1 min (except H7CC-□SD□)</p> <p>Between non-continuous contacts : 1,000 VAC, 50/60 Hz for 1 min</p>
Impulse withstand voltage		<p>Between power terminals : 3.0kV (24 VAC/12 to 24 VDC : 1.0kV)</p> <p>Between current-carrying terminal and exposed non-current-carrying metal parts : 4.5kV (24 VAC/12 to 24 VDC : 1.5kV)</p>	<p>Between power terminals : 6.0kV (24 VAC/12 to 48 VDC : 1.0kV)</p> <p>Between current-carrying terminal and exposed non-current-carrying metal parts : 6.0kV (24 VAC/12 to 48 VDC : 1.5kV)</p>
Static immunity		8kV (malfunction), 15kV (destruction)	8kV (malfunction), 15kV (destruction)
Vibration resistance	Destruction	10 to 55Hz 0.75-mm single amplitude, each in three directions for 2 hours	10 to 55Hz 0.75-mm single amplitude, each in three directions for 2 hours
	Malfunction	10 to 55Hz 0.35-mm single amplitude, each in three directions for 10 min	10 to 55Hz 0.35-mm single amplitude, each in three directions for 10 min
Shock resistance	Destruction	300m/s ² each in three directions, three cycles	300m/s ² each in three directions, three cycles
	Malfunction	100m/s ² each in three directions, three cycles	100m/s ² each in three directions, three cycles
Life expectancy		<p>Mechanical : 10 million operations min.</p> <p>Electrical : 100,000 operations min. (3A at 250 VAC, resistive load)</p>	<p>Mechanical : 10 million operations min.</p> <p>Electrical : 100,000 operations min. (3A at 250 VAC, resistive load) (3 A at 250 VAC, resistive load, ambient temperature condition: 23°C)*</p>
Weight		Approx. 100g	Approx. 120g
Approved safety standards		<p>cULus (or cURus) : UL508/CSA C22.2 No.14, EN61010-1 (IEC61010-1) : Pollution degree 2/overvoltage category II, EN61326-1, B300 PILOT DUTY 1/4 HP 120 VAC, 1/3 HP 240 VAC, 3-A resistive load, VDE0106/part100</p>	<p>cULus (or cURus) : UL508/CSA C22.2 No.14, EN61010-1 (IEC61010-1) : Pollution degree 2/overvoltage category II, EN61326-1, EAC, RCM, B300 PILOT DUTY 1/4 HP 1/3 HP, 240 VAC, 3-A, 250 VAC/30 VDC resistive load, VDE0106/part100</p>

■ Input Modes and Present Value

Discontinued product Model H7CZ series

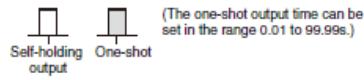
I/O Functions for Counter Operation



* Counting starts when the count input is turned ON after turning ON the power.

**Discontinued product
Model H7CZ series**

I/O Functions for Counter Operation

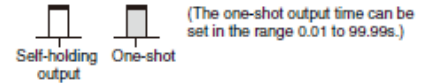


		Input mode		Operation after count completion
		UP	DOWN	
Output mode setting	N			The outputs and present value display are held until reset is input.
	F			The present value display continues to increase/decrease. The outputs are held until reset is input.
	C			As soon as the count reaches SV, the present value display returns to the reset start status. The present value display does not show the present value upon count-up. The outputs repeat one-shot operation.
	R			The present value display returns to the reset start status after the one-shot output time. The outputs repeat one-shot operation.
	K-1			The present value display continues to increase/decrease.

Input Modes and Present Value (Continued)

Discontinued product
Model H7CZ series

I/O Functions for Counter Operation



		Input mode		Operation after count completion
		UP	DOWN	
Output mode setting	P			<p>The present value display does not change during the one-shot output time period, but the actual count returns to the reset start status. The output will return to one-shot mode. The outputs repeat one-shot operation.</p>
	Q			<p>The present value continues to increase/decrease for the one-shot output time, but returns to the reset start status after the one-shot output time has elapsed. The outputs repeat one-shot operation.</p>
	A			<p>The present value display and OUT self-holding output is held until reset is input.</p>

- Note:**
1. When the present value reaches 999999, it returns to 0.
 2. Counting cannot be performed during reset input.
 3. If reset is input while one-shot output is ON, one-shot output turns OFF.
 4. If there is power failure while output is ON, output will turn ON again when the power supply has recovered. For one-shot output, output will turn ON again for the duration of the output time setting once the power supply has recovered.
 5. Do not use the counter function in applications where the count may be completed (again) while one-shot output is ON.
 6. The setting range is 0 to 999,999.

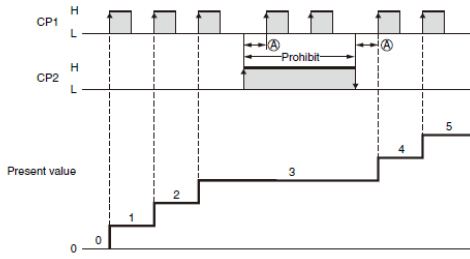
Input Modes and Present Value (Continued)

Recommended replacement Model H7CC series

I/O Functions for Counter Operation

UP (Increment) Mode

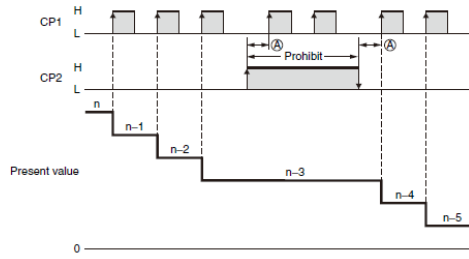
CP1: Count input; CP2: Prohibit (gate) input



Ⓐ must be greater than the minimum signal width. (See note 2.)

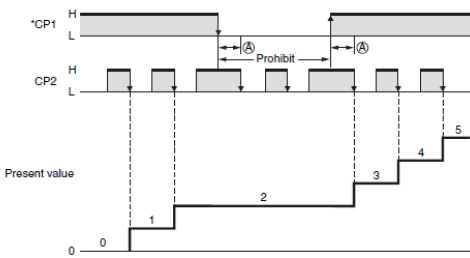
DOWN (Decrement) Mode

CP1: Count input; CP2: Prohibit (gate) input



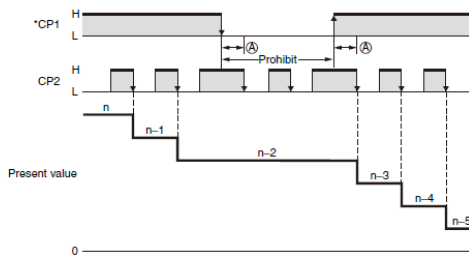
Ⓐ must be greater than the minimum signal width. (See note 2.)

CP1: Prohibit (gate) input; CP2: Count input



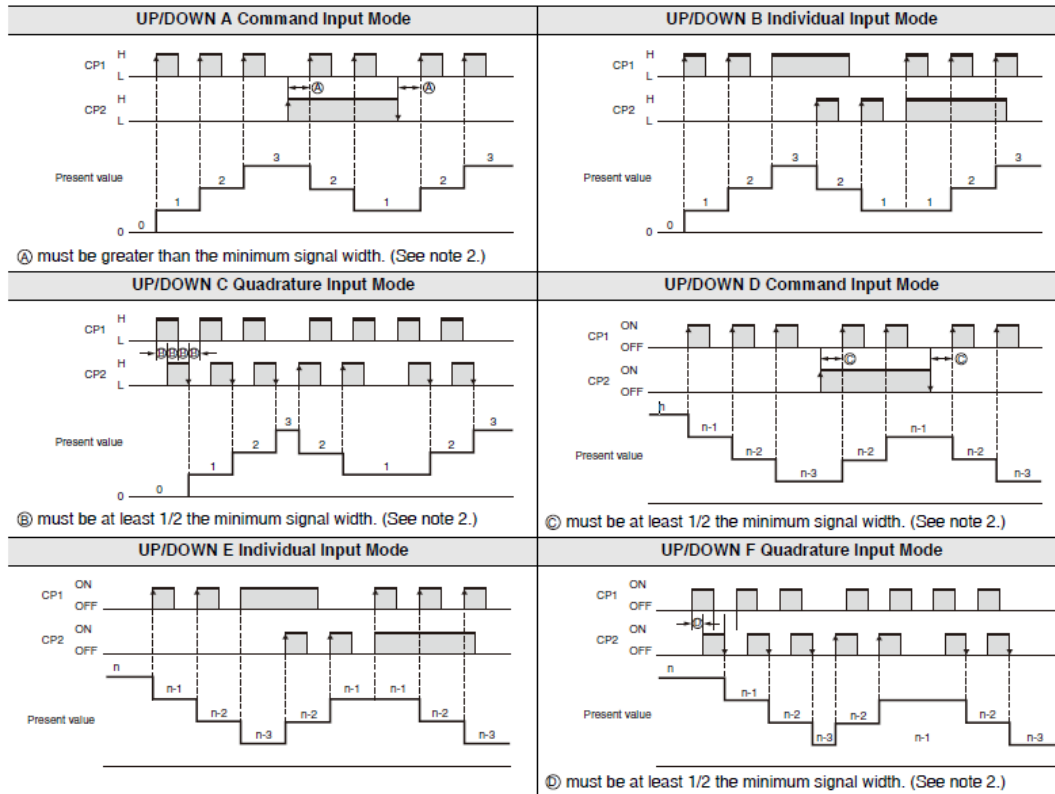
Ⓐ must be greater than the minimum signal width. (See note 2.)

CP1: Prohibit (gate) input; CP2: Count input



Ⓐ must be greater than the minimum signal width. (See note 2.)

* Counting starts when the CP1 is turned ON after turning ON the power.



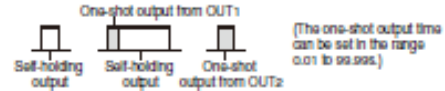
- Note:**
1. If the configuration selection is set to dual counter, CP1 and CP2 input will operate in the same way as the count input (CP1) of UP (increment) mode.
 2. Ⓐ must be greater than the minimum signal width and Ⓒ must be at least 1/2 the minimum signal width. If they are less, a count error of ± 1 may occur.
 3. Minimum signal width: 16.7 ms (when maximum counting speed = 30 Hz)
100 μ s (when maximum counting speed = 5 kHz)
 4. The meaning of the H and L symbols in the tables is explained below.

Input method	No-voltage input (NPN input)	Voltage input (PNP input)
Symbol		
H	Short-circuit	4.5 to 30 VDC
L	Open	0 to 2 VDC

Input Modes and Present Value (Continued)

Recommended replacement Model H7CC series

I/O Functions for Counter Operation

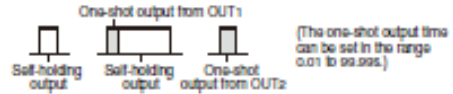


		Input mode		Operation after count completion	
		UP	DOWN		
Output mode setting	N			The outputs and present value display are held until reset/reset 1 is input.	
	F				The present value display continues to increase/decrease. The outputs are held until reset/reset 1 is input.

■ Input Modes and Present Value (Continued)

Recommended replacement
Model H7CC series

I/O Functions for Counter Operation

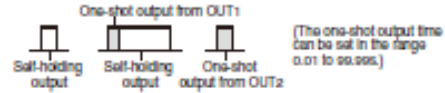


		Input mode		Operation after count completion	
		UP	DOWN		
Output mode setting	C			<p>As soon as the count reaches SV, the present value display returns to the reset start status. The present value display does not show the present value upon count-up. The outputs repeat one-shot operation. OUT1 self-holding output turns OFF after the OUT2 one-shot output time. The OUT1 one-shot output time is independent of OUT2.</p>	
	R				<p>The present value display returns to the reset start status after the one-shot output time. The outputs repeat one-shot operation. OUT1 self-holding output turns OFF after the OUT2 one-shot output time. The OUT1 one-shot output time is independent of OUT2.</p>

Input Modes and Present Value (Continued)

Recommended replacement Model H7CC series

I/O Functions for Counter Operation

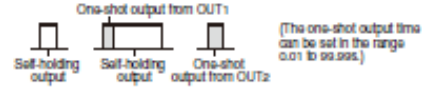


		Input mode		Operation after count completion	
		UP	DOWN		
Output mode setting	K-1			<p>The present value display continues to increase/decrease. OUT1 self-holding output turns OFF after the OUT2 one-shot output time. The OUT1 one-shot output time is independent of OUT2.</p>	
	P				<p>The present value display does not change during the one-shot output time period, but the actual count returns to the reset start status. The output will return to one-shot mode. The outputs repeat one-shot operation. OUT1 self-holding output turns OFF after the OUT2 one-shot output time. The OUT1 one-shot output time is independent of OUT2.</p>

Input Modes and Present Value (Continued)

Recommended replacement Model H7CC series

I/O Functions for Counter Operation



		Input mode		Operation after count completion	
		UP	DOWN		
Output mode setting	Q			<p>The present value continues to increase/decrease for the one-shot output time, but returns to the reset start status after the one-shot output time has elapsed. The outputs repeat one-shot operation. OUT1 self-holding output turns OFF after the OUT2 one-shot output time. The OUT1 one-shot output time is independent of OUT2.</p>	
		UP/DOWN A, B, C	UP/DOWN D, E, F		
	A	UP	DOWN		<p>The present value display and OUT1 self-holding output is held until reset/reset 1 is input. OUT1 and OUT2 are independent.</p>
		UP/DOWN A, B, C	UP/DOWN D, E, F		

- Note:**
- When the present value reaches 999999, it returns to 0.
 - Counting cannot be performed during reset/reset 1 input.
 - If reset/reset 1 is input while one-shot output is ON, one-shot output turns OFF.
 - If there is power interruption while output is ON, output will turn ON again when the power supply has recovered, if memory backup is enabled.
For one-shot output, output will turn ON again for the duration of the output time setting once the power supply has recovered.
 - Do not use the counter function in applications where the count may be completed (again) while one-shot output is ON.
 - The setting range is 0 to 999999.

■ Input Modes and Present Value (Continued)

Recommended replacement
Model H7CC series

I/O Functions for Counter Operation



		Input mode	Operation after count completion
		UP/DOWN A, B, C	
Output mode setting	K-2		The display continues to increase/decrease until the overflow or underflow value is reached. One-shot output only.
	D		The display continues to increase/decrease until the overflow or underflow value is reached. The outputs are ON while the count is equal.
	L		The display continues to increase/decrease until the overflow or underflow value is reached. OUT1 is held while the present value is less than or equal to set value 1. OUT2 is held while the present value is greater than or equal to set value 2.
	H		The display continues to increase/decrease until the overflow or underflow value is reached. OUT1 is held while the present value is greater than or equal to set value 1. OUT2 is held while the present value is greater than or equal to set value 2. * H mode is available only when using a model as a 2-stage counter.

- Note:**
- Counting cannot be performed during reset/reset 1 input.
 - If reset/reset 1 is input while one-shot output is ON, one-shot output turns OFF.
 - If there is power interruption while output is ON, output will turn ON again when the power supply has recovered, if memory backup is enabled.
For one-shot output, output will turn ON again for the duration of the output time setting once the power supply has recovered.
 - Do not use the counter function in applications where the count may be completed (again) while one-shot output is ON.
 - The set value is from -99999 to 99999.

■ Operating procedures

Discontinued product Model H7CZ series

Nomenclature

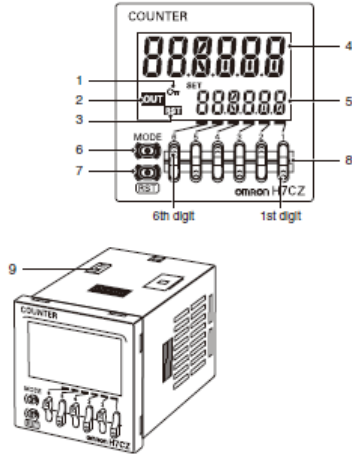
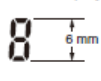
Display Section

1. Key Protect Indicator
2. Control Output Indicator
3. Reset Indicator
4. Present Value (Main Display)
(Character height: 10 mm)
5. Set value (Sub-display)
(Character height: 6 mm)

Character Size
for Main Display



Character Size
for Sub-display



Operation Keys

6. Mode Key
(Changes modes and setting items.)
7. Reset Key
8. Up Keys [1] to [6]

Switches

9. Key-protect Switch

(Default setting) OFF ← ON
(Disable) (Enable)



Recommended replacement Model H7CC series

Nomenclature

Display Section

- 1. Key Protect Indicator (yellow)**

- 2. Control Output Indicator (yellow)**
OUT: (One-stage)
OUT: (Two-stage)

- 3. Reset Indicator (yellow)**
(Lit when the reset input (1) is ON or reset operation is performed.)
Displayed only when the configuration selection mode is not tachometer mode.

- 4. Total Count Indicator**
(Lit when the total count value is displayed.)

- 5. Batch Indicator**
(Lit when the batch count value is displayed.)

- 6. Set Value 1, 2 Stage Indicator**

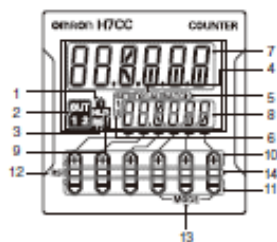
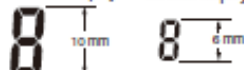
- 7. Present Value (Main Display)**
(Character height: 10 mm, white *)

- 8. Set value (Sub-display)**
(Character height: 6 mm, green)

- 9. Hold Display (yellow)**
Displayed only when the configuration selection mode is not tachometer mode.

Model with 6 Digits

Character Size for Main Display Character Size for Sub-display



Operation Keys

- 10. Up Keys (UP1 to UP6)**
(UP1, 2, 3, 4, 5, 6 from right to left)

- 11. Down Keys (DW1 to DW6)**
(DW1, 2, 3, 4, 5, 6 from right to left)

- 12. Reset Operation (UP6+DW6)**
(The reset operation is enabled by pressing and holding the keys for 1 second or longer. When the keys are pressed simultaneously, all status indicators start blinking. The reset operation is disabled if the keys are released within 1 second.)
To perform the reset operation, firmly press and hold both UP6 and DW6. If you press only UP6 or DW6, the set value will change.

- 13. Mode Operation (UP1+UP3 or DW1+DW3)**
(Changes modes and setting items. Press and hold the keys for 2 seconds or longer to move to the function setting mode. When the keys are pressed simultaneously, the status indicators on UP1 (DW1) and UP3 (DW3) start blinking. The mode operation is disabled if the keys are released within 2 seconds.)

- 14. Status indicator**
<When Run mode is not selected.>
- When the indicator display mode is ON
When used as a counter, the ratio of the present value to the set value is displayed from 0 to 100%.
When used as a tachometer, if "Upper and lower limit" or "Area" is selected in the tachometer output mode, the ratio of the measurement value to the comparison value is displayed from 0 to 100%.
- When the indicator display mode is all off or all lit
All off or all lit display.
Note. When you press the Up Key or the Down Key, the status indicator display goes off, and the pressed key lights up or blinks.
<When Function Setting Mode is not selected.>
- The keys that can be set light up for notification.

Switches

15. Key-protect Switch

(Default setting) OFF (Disable) ← ON (Enable)



Input Modes and Present Value (Continued)

Discontinued product Model H7CZ series

Setting of Function setting mode

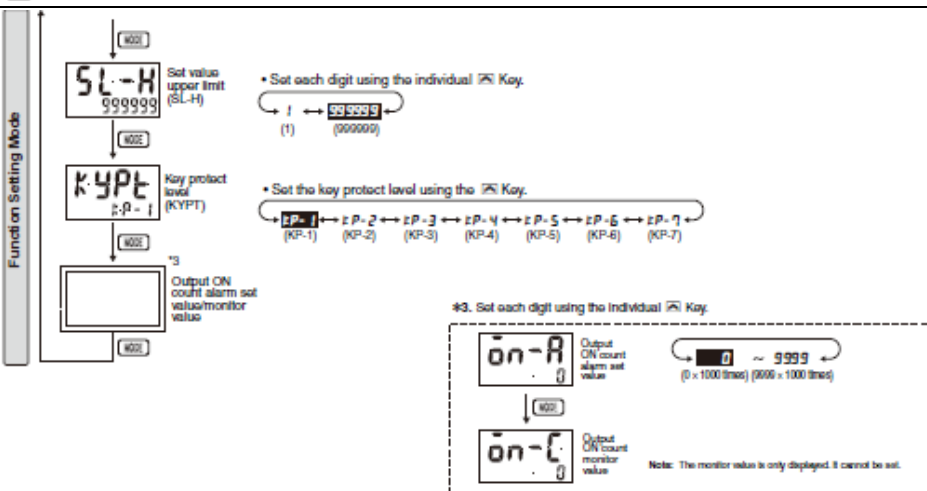
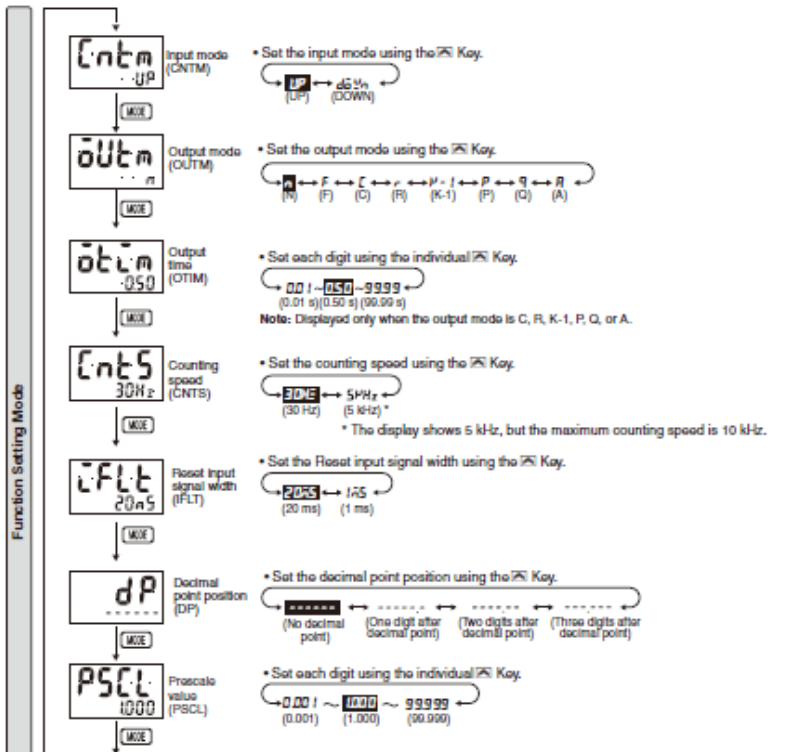
Change to Function Setting Mode.



For details on operations and display in run mode, refer to page 13.
The display depends on the selected configuration.

- *1. If the mode is switched to the function setting mode during operation, operation will continue.
- *2. Changes made to settings in function setting mode are enabled for the first time when the mode is changed to run mode. Also, when settings are changed, the counter is reset (present value initialized and output turned OFF) on returning to run mode.

The characters displayed in reverse video are the default settings.



Input Modes and Present Value (Continued)

Recommended replacement Model H7CC series

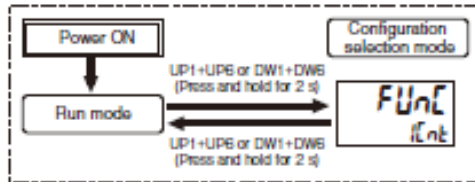
Setting of Function setting mode

Step1

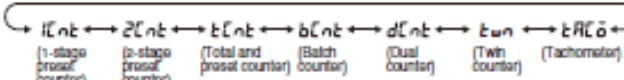
The H7CC-A□ is a Counter that contains more than one functional counter.
When using the Counter in any mode other than the default mode *, use the following chart to enter Configuration Selection Mode and set the functions that are suitable to the application.

* Table Default Modes and Selectable Functions

Model	Default mode	Selectable mode
H7CC-AW	2-stage preset counter	Any mode
H7CC-AU	1-stage preset counter	Any mode
Other models	1-stage preset counter	1-stage preset or total preset counter only



Select the function from Table using the UP1 Key (DW1 Key).



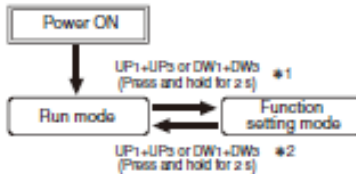
Note: The modes that can be selected depend on the model. (Refer to the Table.)

Setting of Function setting mode

Step2

Parameters are set with the operation keys on the front panel.

Change to Function Setting Mode.

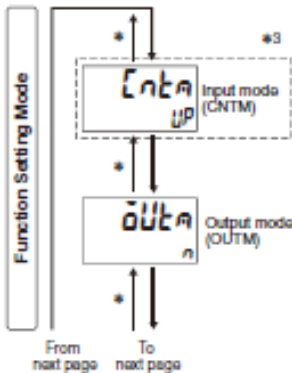
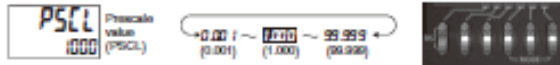


For details on operations and display in run mode, refer to page 21.
The display depends on the selected configuration.

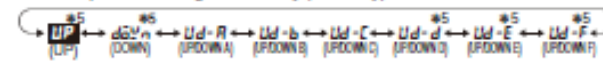
- *1 If the mode is switched to the function setting mode during operation, operation will continue.
- *2 Changes made to settings in function setting mode are enabled for the first time when the mode is changed to run mode. Also, when settings are changed, the counter is reset (present value initialized and output turned OFF) on returning to run mode.

The characters displayed in reverse video are the default settings.
In the function setting mode, the status indicator of the keys that can be set lights up.
(Example) In the case of the prescale value (PSCL)
A value from 0.001 to 99.999 can be set, and therefore, the status indicator of the UP1 Key to UPS Key (DW1 Key to DWS Key) lights up.

- * Use UP1+UPS to move up and DW1+DWS to move down

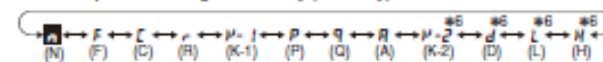


- * Set the input mode using the UP1 Key (DW1 Key).



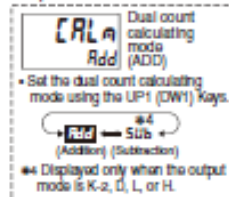
- Note: Displayed only when Twin Counter Mode is not selected.
*5 Displayed for output modes other than K-2, D, L, and H only.

- * Set the output mode using the UP1 Key (DW1 Key).



- *6. P-2, d, L and H are displayed only when the HTAN compatibility function is OFF or the input mode is U d - R, U d - b, or U d - C.
(Not displayed when the function is set to tC n t.)
H is displayed only for 2-stage models.

- *3 When Using Dual Counter Operation



- * Set the dual count calculating mode using the UP1 (DW1) Keys.

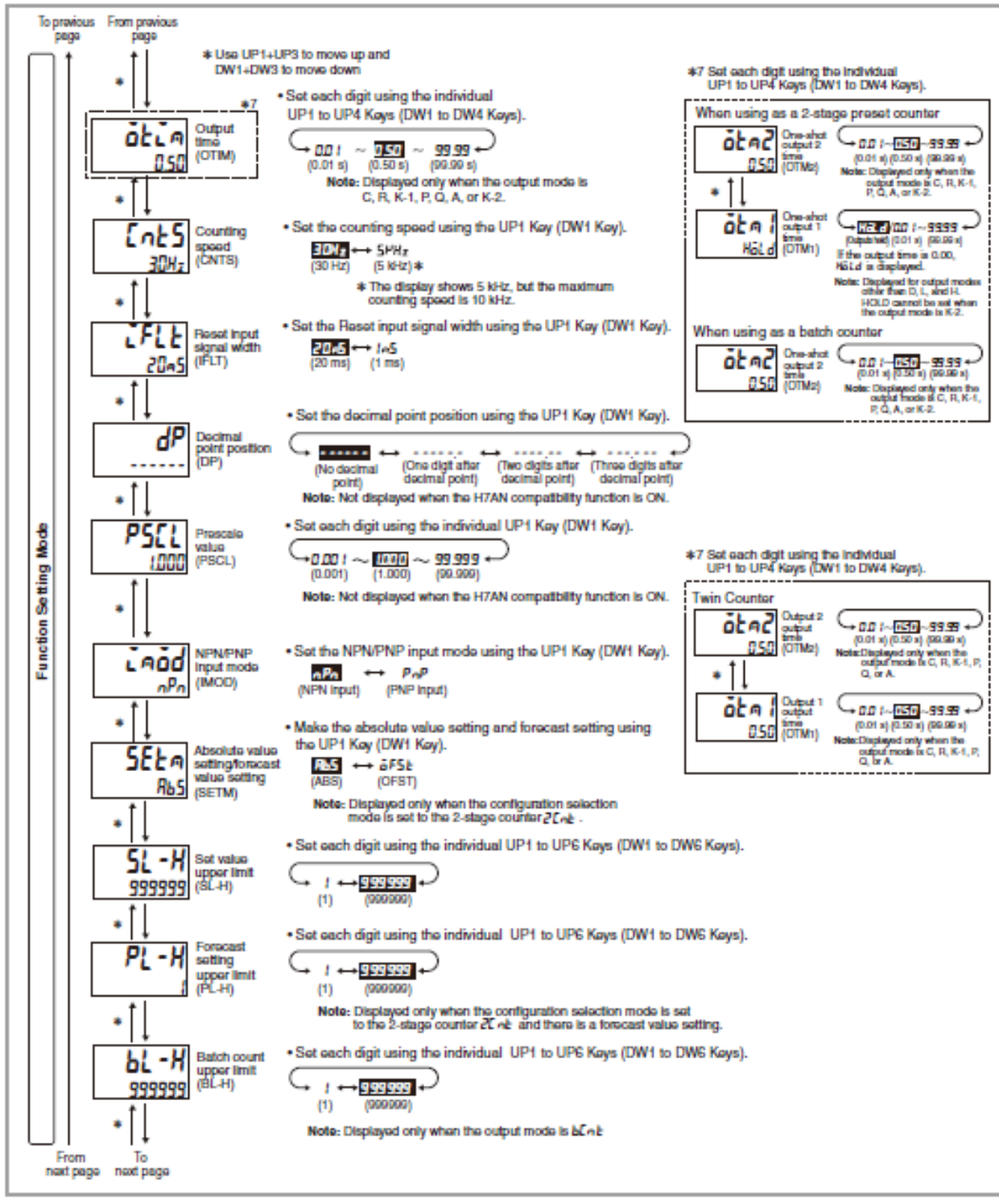
- *4 Displayed only when the output mode is K-2, D, L, or H.

Usage as a Decrementing Counter (Sub)
The Sub parameter is normally not displayed. You must set the dC n t parameter shown below in advance to *6 (P-2, d, L, or H) to display it.

Input Modes and Present Value (Continued)

Recommended replacement Model H7CC series

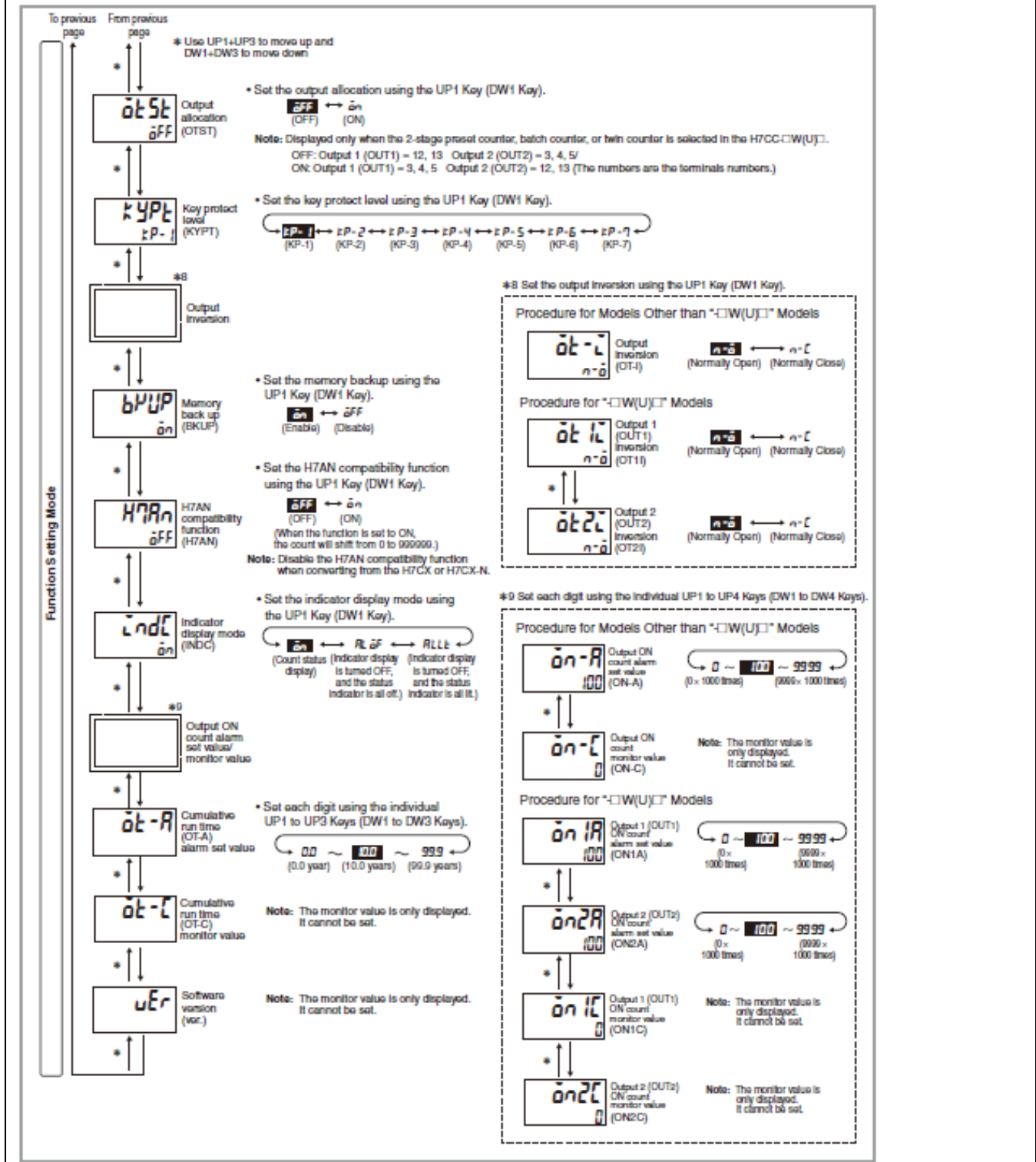
Setting of Function setting mode



Input Modes and Present Value (Continued)

Recommended replacement Model H7CC series

Input Modes and Present Value (Continued)



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.