



Miniature DIN-sized (48 x 48 mm) Quartz Timer with Abundant Series Versions

- Series version cover a wide range of rated times; 9.999 s, 99.99 s, 999.9 s, 99 min 59 s, and 99 hrs 59 min.
- Selection of elapsed time indication, remaining time indication, contact output, and transistor output types to suit requirements.
- Power supply freely selectable within a range of 100 to 240 VAC, as well as 12 to 48 VDC.



Refer to *Safety Precautions for All Timers*.
Refer to *Safety Precautions* on page 12

The new models manufactured in April 2014 or after will be changed to use internal non-volatile memory for memory backup. A Backup Battery (Y92S-20) for memory backup is not required for the new models.



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Model Number Structure

■ Model Number Legend

Note: This model number legend includes combinations that are not available. Before ordering, please check the *List of Models* on page 2 for availability.

H5CN- N
1 2 3 4 5

1. Display

X: UP display (increments from 0 to the set time)
Y: DOWN display (decrements from the set time to 0)

2. Rated time

Z: 0.001 to 9.999 s
A: 0.001 to 99.99 s
B: 0.1 to 999.9 s
C: 1 s to 99 min 59 s
D: 1 min to 99 h 59 min

3. Output mode

N: N mode (Power ON-delay)

4. Memory backup

None: Not provided
M: Provided

5. Output type

None: Contact output (SPDT)
S: Transistor output

Ordering Information

List of Models

Display type		UP display timer (increments from 0 to the set time)		DOWN display timer (decrements from the set time to 0)	UP display timer (increments from 0 to the set time)
Output type		Contact output (SPDT)			Transistor output
Pin type		11-pin	8-pin		
Memory backup		Provided	Not provided		
Supply voltage		100 to 240 VAC	100 to 240 VAC, 12 to 48 VDC		12 to 48 VDC
Rated time	0.001 to 9.999 s	---	---	---	H5CN-XZNS
	0.001 to 99.99 s	H5CN-XANM	H5CN-XAN	H5CN-YAN	H5CN-XANS
	0.1 to 999.9 s	H5CN-XBNM	H5CN-XBN	H5CN-YBN	---
	1 s to 99 min 59 s (See note 3.)	H5CN-XCNM	H5CN-XCN	H5CN-YCN	---
	1 min to 99 h 59 min (See note 3.)	H5CN-XDNM	H5CN-XDN	H5CN-YDN	---

Note: 1. Specify both the model number and supply voltage when ordering.

Example: H5CN-XAN 12 to 48 VDC

Supply voltage

- The H5CN-X□NM does not support power resetting.
- The numerical display for the second digit from the right is 0, 1, 2, 3, 4, 5 ..., 0.

Accessories (Order Separately)

Name		Models
Flush Mounting Adapter		Y92F-30
Track Mounting/Front Connecting Socket	8-pin	P2CF-08
	11-pin	P2CF-11
Back Connecting Socket	8-pin	P3G-08
	11-pin	P3GA-11
Protective Cover	Hard Cover	Y92A-48B
	Soft Cover	Y92A-48D
Mounting Track	50 cm (l) × 7.3 mm (t)	PFP-50N
	1 m (l) × 7.3 mm (t)	PFP-100N
	1 m (l) × 16 mm (t)	PFP-100N2
End Plate		PFP-M
Spacer		PFP-S

Specifications

■ Ratings

Item	Contact output	Transistor output
Rated supply voltage	100 to 240 VAC (50/60 Hz), 12 to 48 VDC (permissible ripple: 20% max.) (See note 1.)	12 to 48 VDC (permissible ripple: 20% max.)
Operating voltage range	85% to 110% of rated supply voltage	
Power consumption	Approx. 12 VA at 240 VAC Approx. 2.5 W at 48 VDC	Approx. 2.5 W at 48 VDC
Mounting method	Surface mounting or flush mounting	
Display	7-segment LEDs (10-mm-high characters), UP indicator	
Input method	Contact open and short-circuit input	Open-collector transistor ON/OFF input
Resetting system and gate input	Reset by power-OFF (See note 2.): min. power OFF time: 0.5 s External reset or gate (common to contact and transistor inputs): min. reset input signal width: 0.02 s; residual voltage: 2 V max.	
Output mode	N mode (Power ON-delay)	
Control outputs	SPDT: 3 A at 250 VAC, resistive load ($\cos\phi = 1$)	Open collector: 100 mA max. at 30 VDC max.
Ambient temperature	Operating: -10°C to 55°C (with no icing or condensation) Storage: -25°C to 65°C (with no icing or condensation)	
Ambient humidity	Operating: 35% to 85%	
Case color	Light gray (Munsell 5Y7/1)	

- Note:** 1. Models with memory backup function are available only for AC power.
2. The H5CN-X□NM cannot be reset by turning OFF the power.

■ Characteristics

Accuracy of operating time	±0.01% ±0.05 s max. (see note 1), ±0.005% ±0.03 s max. (see note 2) (see note 3)
Setting error	
Influence of voltage	
Influence of temperature	
Insulation resistance	100 MΩ min. (at 500 VDC) (between current-carrying terminal and exposed non-current carrying metal parts, between power supply circuit and control output circuit)
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min (between current-carrying terminal and exposed non-current-carrying metal parts, between power supply circuit and control output circuit)
Impulse withstand voltage	6 kV (between power supply terminal) 6 kV (between current-carrying terminal and exposed non-current carrying metal parts)
Noise immunity	Square-wave noise by noise simulator AC: ±2 kV (between power supply terminals) DC: ±480 V (between power supply terminals), ±500 V (between input terminals)
Static immunity	Malfunction: 8 kV
Vibration resistance	Destruction: 10 to 55 Hz with 0.75-mm single amplitude each in 3 directions for 2 hours each Malfunction: 10 to 55 Hz with 0.5-mm single amplitude each in 3 directions for 10 minutes each
Shock resistance	Destruction: 300 m/s ² 3 times each in 6 directions Malfunction: 100 m/s ² 3 times each in 6 directions
Life expectancy	Mechanical: 10,000,000 operations min. Electrical: 100,000 operations min. (3 A at 250 VAC, resistive load)
Degree of protection	IP-30
Memory backup storage method (see note 4)	Non-volatile memory (Number of writes: 1 million times, Data retention: 10 years)
Weight	Approx. 110 g

- Note:** 1. When timer operation is started by power application. This does not apply to the H5CN-X□NM. The H5CN-X□NM cannot be reset by turning OFF the power.
2. When timer operation is started after a reset input has been applied.
3. These values represent the total accuracy of the timer including the repeat accuracy, setting error, and variation due to voltage and temperature changes. Note that they also comprise errors due to the rise time of the power source and the operating times of the internal and output circuits.
4. This applies only to the H5CN-X□NM.

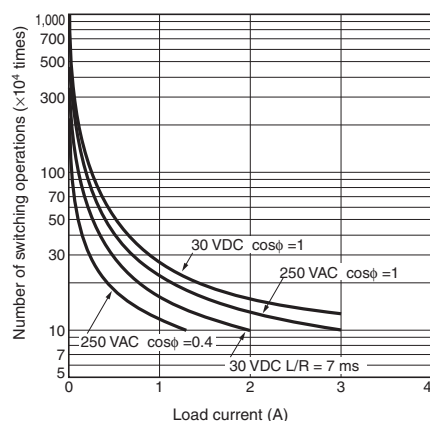
■ Applicable Standards

Approved safety standards	UL508/CSA C22.2 No. 14 conforms to EN61812-1 (Pollution degree 2/overvoltage category III) CCC: GB/T 14048.5 Pollution degree 2, Overvoltage category III *
EMC	(EMI) EN61812-1 Emission Enclosure: EN55011 Group 1 class A Emission AC mains: EN55011 Group 1 class A (EMS) EN61812-1 Immunity ESD: IEC61000-4-2 Immunity RF-interference: IEC61000-4-3 Immunity Burst: IEC61000-4-4 Immunity Surge: IEC61000-4-5 Immunity Conducted Disturbance: IEC61000-4-6 Immunity Voltage Dip/Interruption: IEC61000-4-11

* CCC certification requirements

Recommended fuse	Contact Output: 021602.5 (250 VAC, 2.5 A), manufactured by Littelfuse Transistor Output: 0216.100 (250 VAC, 100 mA) manufactured by Littelfuse
Rated operating voltage Ue Rated operating current Ie	Contact Output: AC-15: Ue: 250 VAC, Ie: 3 A DC-13: Ue: 30 VDC, Ie: 0.5 A Transistor Output: DC-13: Ue: 30 VDC, Ie: 0.1 A
Rated insulation voltage	250 V
Rated impulse withstand voltage (altitude: 2,000 m max.)	4 kV (at 240 VAC)
Conditional short-circuit current	1,000 A

■ Life-test Curve (Reference Values)



A maximum current of 0.15A can be switched at 125 VDC ($\cos\phi = 1$)

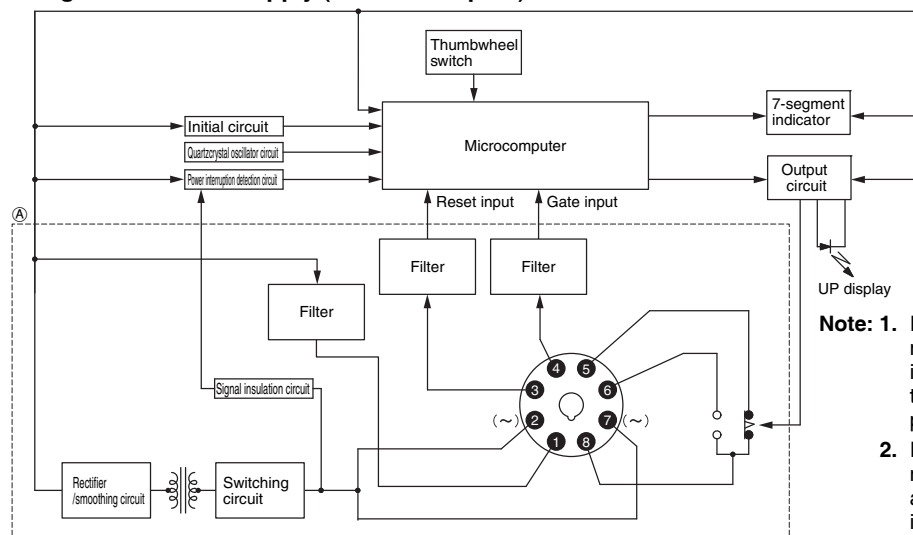
Maximum current of 0.1 A can be switched if L/R is 7 ms. In both cases, a life of 100,000 operations can be expected. The minimum applicable load is 10 mA at 5 VDC (failure level: P reference value).

Connections

■ Block Diagram

H5CN-□□N (without Memory Backup)

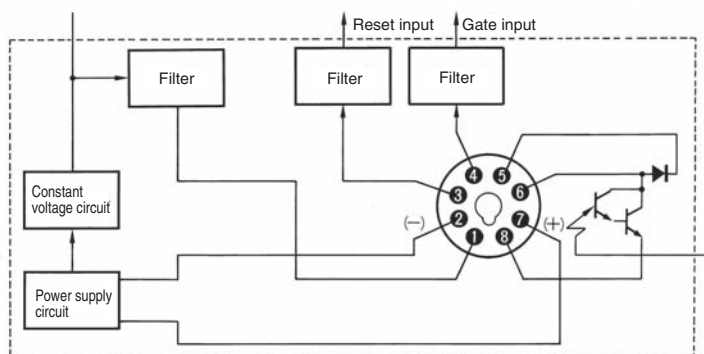
Using an AC Power Supply (Contact Outputs)



- Note:**
1. If the reset input is short-circuited (between terminals ① and ③), immediately the count circuit is reset to 0 and the control output relay is reset to OFF. The timer starts as soon as the reset input is opened (between terminals ① and ③).
 2. If the gate input is short-circuited (between terminals ① and ④), the count circuit stops immediately. The timer then restarts as soon as the gate input is opened (between terminals ① and ④).

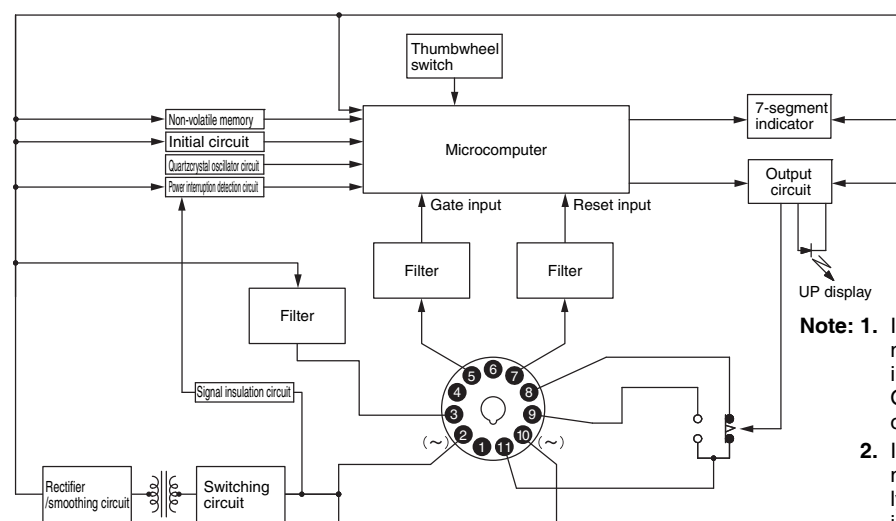
Using a DC Power Supply (Transistor Outputs)

Note: The following block diagram shows the differences for the equivalent section indicated by "A" in the above block diagram.



Note: Terminals 1 and 2 are connected internally.

H5CN-X□NM (with Memory Backup)

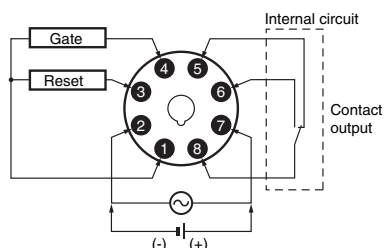


- Note:**
1. If the reset input is short-circuited (between terminals ③ and ⑦), immediately the count circuit is initialized and the control output relay is reset to OFF. The timer starts as soon as the reset input is opened (between terminals ③ and ⑦).
 2. If the gate input is short-circuited (between terminals ③ and ⑤), the count circuit stops immediately. The timer then restarts as soon as the gate input is opened (between terminals ③ and ⑤).

■ Terminal Arrangement

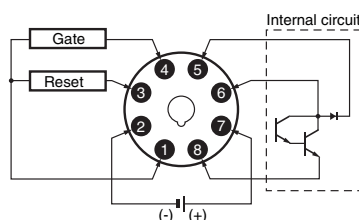
H5CN-□□N (without Memory Backup)

Contact Output



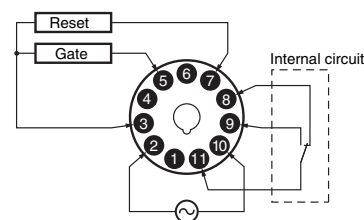
H5CN-X□NS (without Memory Backup)

Transistor Output



H5CN-X□NM (with Memory Backup)

Contact Output

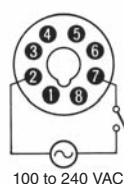


- Terminals 1 and 2 are internally connected for Timers with DC power.
- A diode is internally connected between terminals ⑤ and ⑥ for the H5CN-X□NS to absorb counterelectromotive force that occurs when an inductive load is connected.

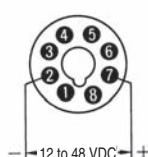
■ Power Connection

H5CN-□□N and H5CN-X□NS (without Memory Backup)

AC Power



DC Power



H5CN-X□NM (with Memory Backup)



- Do not allow the applied power supply to exceed the operating voltage range.
- Make sure that the polarity of the DC power supply is correct.

■ Input Connection

Reset Input Connection

Connection of the reset input contact or an open collector transistor between terminals ① and ③ (between terminals ③ and ⑦ for models with backup power for memory protection) permits the timer to reset when contact is made or the transistor turns ON. Use of a high-reliability gold-plated contact is recommended for the reset input. For the reset input transistor, select the one satisfying the following electrical ratings:

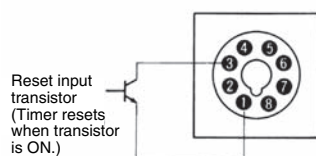
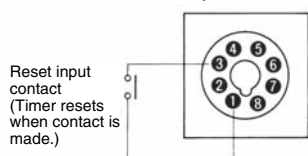
$V_{CE0} = 20 \text{ V min.}$

$I_C = 50 \text{ mA min.}$

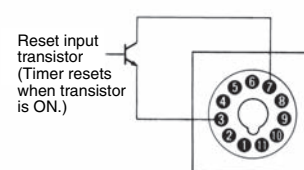
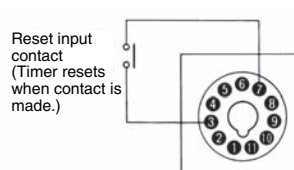
I_{CE0} (leakage current) = $0.5 \mu\text{A max.}$

$V_{CE(sat)}$ (residual voltage) = 2 V max.

H5CN-□□N and H5CN-X□NS (without Memory Backup)



H5CN-X□NM (with Memory Backup)



Gate Input Connection

Connection of the gate input contact or an open collector transistor between terminals ① and ④ (between terminals ③ and ⑤ for models with backup power for memory protection) permits the timer to stop operation while contact is made or the transistor turns ON. Use of a high-reliability gold-plated contact is recommended for the gate input. For the gate input transistor, select the one satisfying the following electrical ratings:

$V_{CEO} = 20 \text{ V min.}$

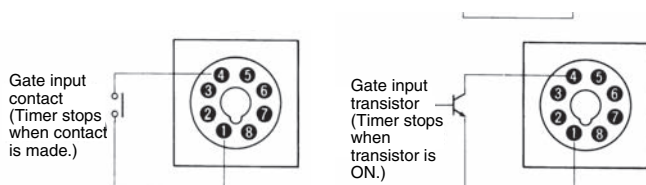
$I_C = 50 \text{ mA min.}$

I_{CEO} (leakage current) = 0.1 mA max.

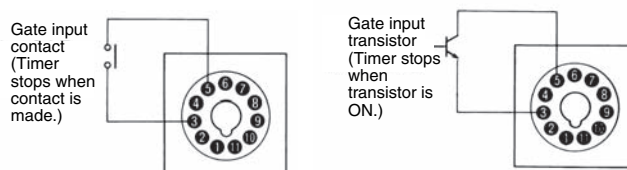
$V_{CE(sat)}$ (residual voltage) = 2 V max.

Use a gate input contact with a short bounce time because the contact bounce time causes an error in the operate time of the timer for a period equalling the bounce time.

H5CN-□□N and H5CN-X□NS (without Memory Backup)



H5CN-X□NM (with Memory Backup)

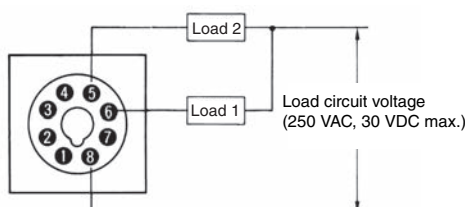


Output (Load) Connection

H5CN-X□N (without Memory Backup)

Contact Output Type

Load 1 connected in series with NO contact (between terminals ⑥ and ⑧) is normally open, and the load circuit voltage will be applied after the lapse of the set time. The load circuit voltage is normally applied to load 2 connected in series with NC contact (between terminals ⑤ and ⑧), which will be open after the lapse of the set time.

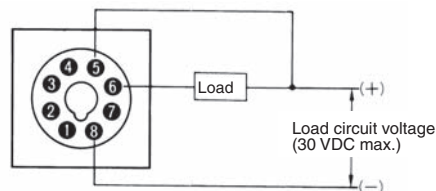


Note: The maximum load current is 3 A (resistive load).

H5CN-□□NS (without Memory Backup)

Transistor Output

Voltage is applied to the load after the set time has lapsed.

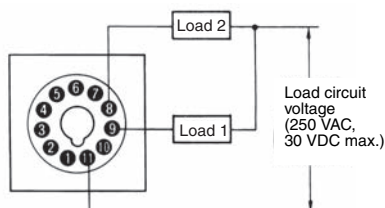


Note: The maximum load current is 100 mA.

H5CN-X□NM (with Memory Backup)

Contact Output

Load 1 connected in series with NO contact (between terminals ⑨ and ⑪) is normally open, and the load circuit voltage will be applied to it after the lapse of the set time. The load circuit voltage is normally applied to load 2 connected in series with NC contact (between terminals ⑧ and ⑪), which will be open after the lapse of the set time.



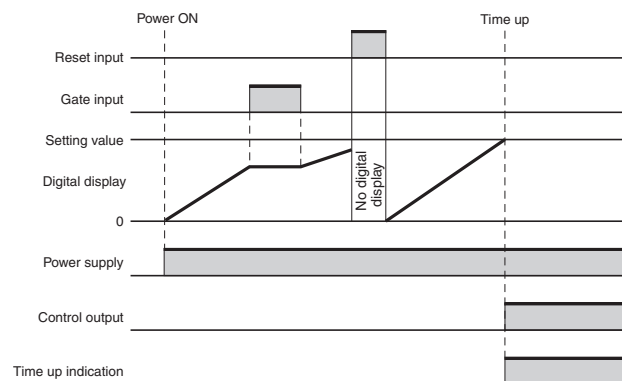
Note: The maximum load current is 3 A (resistive load).

Operation

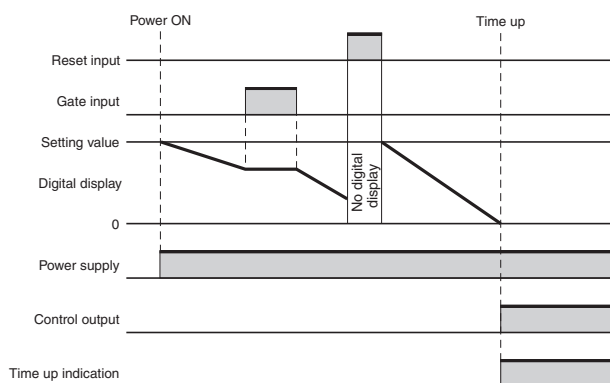
■ Timing Chart

Digital Display

UP Display



DOWN Display

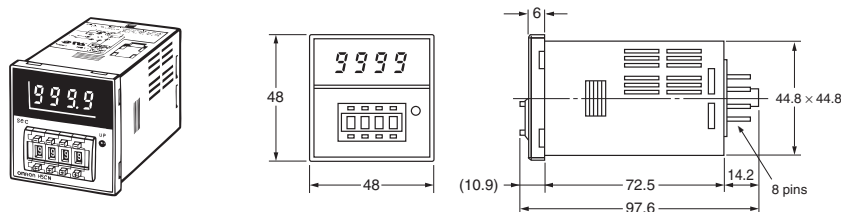


Dimensions

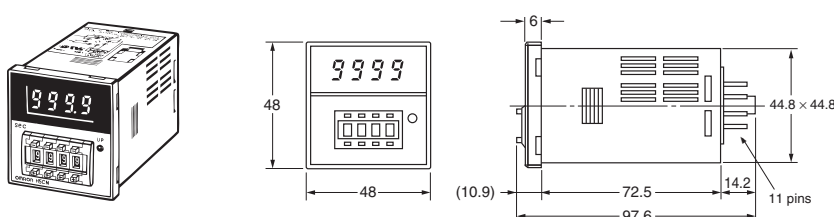
Note: All units are in millimeters unless otherwise indicated.

■ Dimensions without Flush Mounting Adapter

H5CN-X□N/-Y□N/-X□NS (Flush Mounting/Surface Mounting Models)

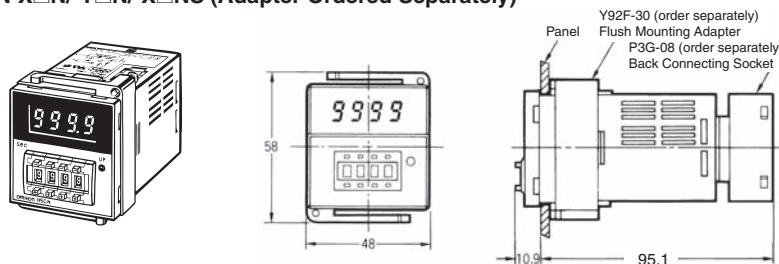


H5CN-X□NM (Flush Mounting/Surface Mounting Models)



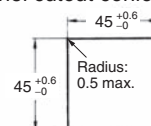
■ Dimensions with Flush Mounting Adapter

H5CN-X□N/-Y□N/-X□NS (Adapter Ordered Separately)

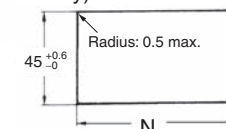


Panel Cutout

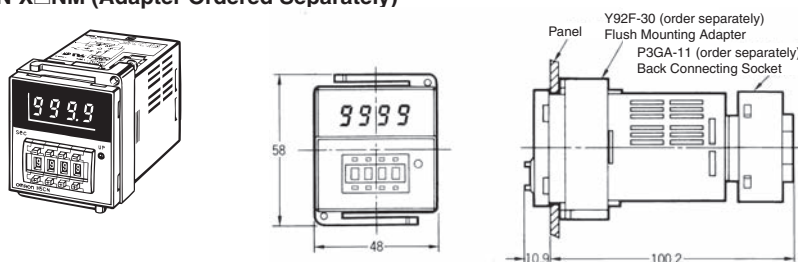
The standard panel cutout is as below.
(Panel cutout conforms to DIN 43700.)



Gang-mounting of more than 2 units
(horizontally)

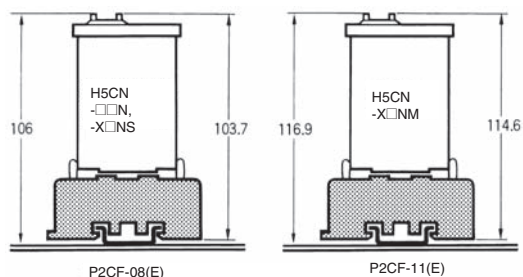


H5CN-X□NM (Adapter Ordered Separately)

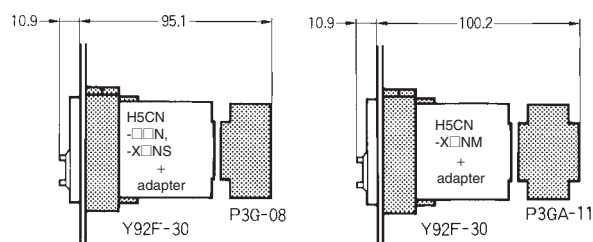


- Note:**
1. Panel thickness: 1 to 5 mm
 2. When gang-mounting the Unit, the orientation of the Adapter must be changed depending on whether Units are mounted horizontally or vertically.
 3. No cover:
 $N = (48n - 2.5) \pm 1.0$
 With hard cover:
 $N = \{48n - 2.5 + (n - 1) \times 3\} \pm 1.0$

■ Dimensions with Front Connecting Socket



Flush Mounting



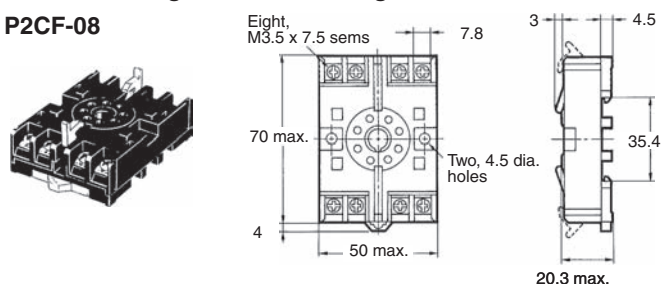
Note: These dimensions vary with the kind of DIN track (reference value).

■ Accessories (Order Separately)

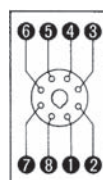
Note: All units are in millimeters unless otherwise indicated.

Track Mounting/Front Connecting Socket

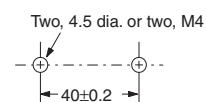
P2CF-08



Terminal Arrangement/ Internal Connections (Top View)

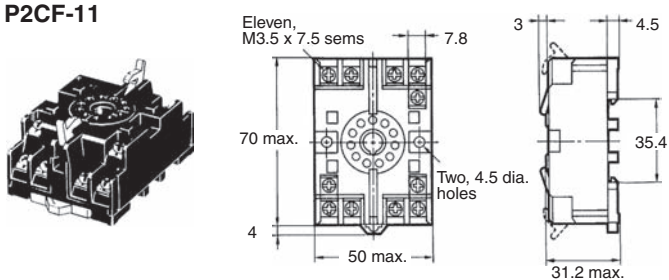


Surface Mounting Holes

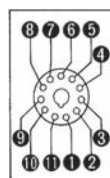


Track Mounting/Front Connecting Socket

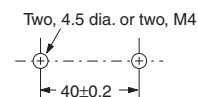
P2CF-11



Terminal Arrangement/ Internal Connections (Top View)

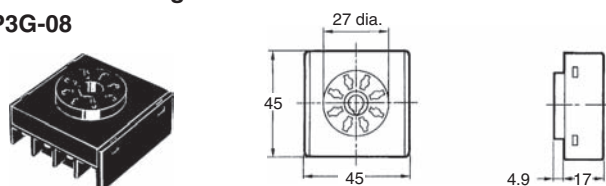


Surface Mounting Holes

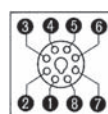


Back Connecting Socket

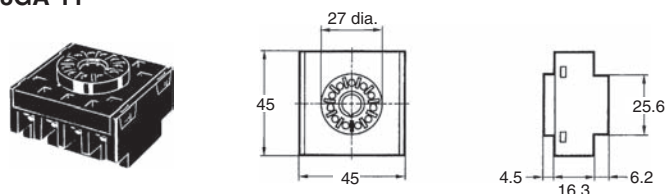
P3G-08



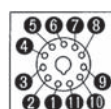
Terminal Arrangement/ Internal Connections (Bottom View)



P3GA-11



Terminal Arrangement/ Internal Connections (Bottom View)



Safety Precautions

● Be sure to read the precautions for all Timers in the website at: <http://www.ia.omron.com/>.

Warning Indications

	CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or in property damage.
Precautions for Safe Use		Supplementary comments on what to do or avoid doing, to use the product safely.
Precautions for Correct Use		Supplementary comments on what to do or avoid doing, to prevent failure to operate, malfunction or undesirable effect on product performance.

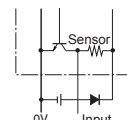
Meaning of Product Safety Symbols

	Used to warn of the risk of electric shock under specific conditions.
	Used for general prohibitions for which there is no specific symbol.
	Used for general mandatory action precautions for which there is no specified symbol.

 CAUTION	
Do not touch the terminals while power is being supplied. Doing so may occasionally result in minor injury due to electric shock.	
Do not use the product where subject to flammable or explosive gas. Otherwise, minor injury from explosion may occasionally occur.	
Never disassemble, modify or repair the product or touch any of the internal parts. Minor electric shock, fire, or malfunction may occasionally occur.	
The life expectancy of output relays varies considerably with the output load and switching conditions. Always consider the application conditions and use the output relays within their rated load and electrical life expectancy. If the output relays are used past their life expectancy, contact fusing or burning may occasionally occur. Also, never exceed the rated load current. When using a heater, surely use a thermo switch in the load circuit.	
Tighten the terminal screws to between 0.74 and 0.90 N·m. Loose screws may occasionally result in fire.	
Do not allow pieces of metal, wire clippings, or fine metallic shavings or filings from installation to enter the product. Doing so may occasionally result in electric shock, fire, or malfunction.	

Precautions for Safe Use

- Make sure the proper product is specified for the application.
- For correct use, do not subject the product to the following conditions.
 - Dramatic temperature fluctuations
 - High humidity or where condensation may occur
 - Severe vibration and shock
 - Where excessive dust, corrosive gas, or direct sunlight may be present
- This product is not waterproof or oil resistance. Do not use the product in any of the places subject to splashing liquid or oil atmosphere.
- Use and store the product within the rated ranges given for the product model you are using. If necessary, use forced cooling. If the product is stored below -10°C , allow it to warm up for three hours at room temperature before turning ON the power supply.
- Do not cover the vent holes on the products and the area around the product in order to ensure thermal dissipation.
- Wiring all terminals correctly.
- Do not wire the terminals which are not used.
- Use specified size crimped terminals (M3.5, thickness 7.2 mm max.) for wiring with a gage of AWG 24 to AWG 18 (equal to a cross section area of 0.205 to 0.823 mm²). (The wiring stripping length is 5 to 6 mm.) Up to two wires of same size and type, or two crimped terminals can be inserted into a single terminal.
- Use this product within the rated power supply voltage and control output.
- Use a switch, relay, or other contact to turn the power supply ON instantaneously. If the voltage is applied gradually, the power may not be reset or output malfunctions may occur.
- Do not apply the supply voltage directly from external to transistor output.
- Interlock the power to the product with a relay so that the product will not be left in an output on condition for long periods. Leaving the product in an output-on condition for a month or longer, especially in places with high temperatures, may result in deterioration to internal parts, such as an electrolytic capacitor.
- Internal circuit voltage (5 V) is output to the no-voltage input terminals, which may cause some connected devices to malfunction or fail. Check the specifications of the input device (e.g., rated output voltage or whether a power supply circuit diode is built in).

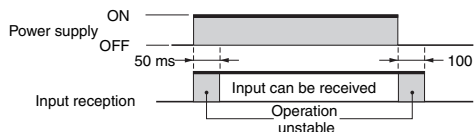


- To prevent power supply devices from being subjected to charging accidents, connect a diode as in the figure when using a power supply voltage of 5 V or less to operate input devices that do not have a diode built into the power supply circuit.
- Check that the LED indicators are operating normally. Depending on the operating environment, the indicators and plastic parts may deteriorate faster than expected, causing the indicators to fail. Periodically perform inspections and replacements.
 - Use tools when separating parts for disposal.
 - When disposing of the product, observe all local ordinances as they apply.

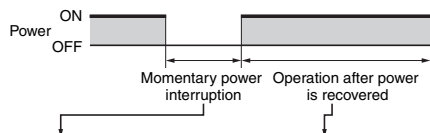
Precautions for Correct Use

- Inrush current will be carried when turning on the power. If the capacity of the power for the product is insufficient, the product cannot start. Use a power supply, breakers, contacts which sufficient capacity.
 - 100 to 240 VAC specifications Approx. 0.8 A for 264 VAC
 - 12 to 48 VDC specifications Approx. 0.4 A for 52.8 VDC
- Since 50 ms after the power is turned ON is required as the raise time of the internal circuit voltage, note that the product may not operate in response to any input signal during this period.

- Since 100 ms after the power is turned OFF (or momentary power failures) is required as the fall time of the internal circuit voltage, note that the product may respond to input signals during this period.



- Models without power failure memory backup will operate as shown in the following figure if the power supply is momentarily interrupted.

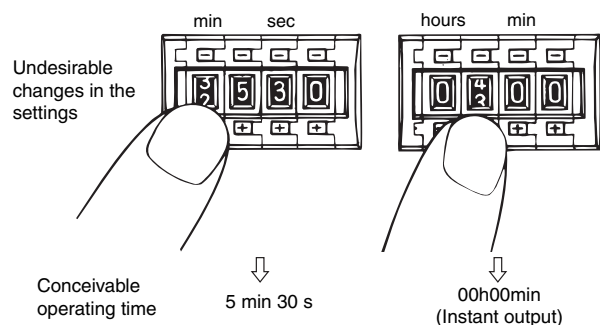


0.5 s min.	Displays and outputs will be reset.
0.01 s max.	The status before the power interruption will be held.
0.01 to 0.5 s	Operation will be unstable, i.e., one of the above operations will be performed.

Note: Use a Timer with power failure backup memory (models ending with -M) if holding the status before the power failure is required when the power is interrupted.

- All number display digits on the Timer will be OFF when the reset signal is input. When the reset signal is completed, the numeric display will show the reset value.
- Model H5CN 12-48 VDC specification use transformer-less power supply which the power terminals and input terminals are not insulated. When use this specification, the internal parts of the product may be occasionally burnt (damaged) if the wiring is not correct. Pay attention to check the wiring before use.
- The H5CN Timer is capable of reading the input data at any time during normal operation. This means that the set time can be changed during power application. This feature sets back the output from the timer by temporarily setting the longer time or quickens the output by setting the shorter time. During normal operation, the set time may be accidentally changed by touching a thumbwheel switch causing the timer to operate with a different set time. To prevent this possibility, use the optional Y92A-48B Protective Cover.
- When the set time is all zeroes (e.g., 000.0 s or 00 h 00 min), there will be a momentary control output upon power application, which can be used to check normal output. When changing the set time during normal operation, pay special attention not to alter the set value to this all zeroes.
- When changing the set time while power is being supplied, an inadequate push of the thumbwheel switches will display two numbers in one digital display window, causing the operating count to drift widely. Therefore, press the thumb-wheel switches surely. Take particular care when the other three digits are all zeroes, because the improper setting of the fourth switch to create four zeroes will cause an instantaneous output.

Undesirable changes in the settings



- Take particular care with the H5CN-□Z□, which is capable of setting in 1/1000th of a second because there is an error of between 0.03 to 0.05 ms. (Repeat accuracy is 1 to 2 ms.)

Operation Examples

- During Incremental Operation
If the set value is changed to a value higher than the currently displayed present value, the timer will time out for the new set value.
- During Decremental Operation
When the set value changes, the difference between the new set value and old set value will be added or subtracted from the present value.

Example:

Old set value	New set value
200 s ->	100 s
Present value (before changing setting)	Present set value (after changing setting)
160 s ->	60 s

Power Supply

Leave the power supply OFF for at least 0.5 s before turning it back ON (power supply reset).

Inputs and Outputs

- Do not apply voltage externally to input terminals ①, ③, and ④.
- When using contacts for the reset input and gate input, use gold-plated contacts with good contact reliability. Use gate input contacts with short contact bounce (chattering).

Power Failure Backup Memory

- The product memorizes the status just before occurring the electric failure memory with non-volatile memory. The rewriting lifespan of the non-volatile memory is 1,000,000 or more. The non-volatile memory rewrites the setting condition into the initial setting one when the power OFF. (-M type only)

Self-diagnostic Function

When an error has occurred, the below error codes are shown.

7 segment display	Time UP display	Description	Output
E1	OFF	CPU error	OFF
E2	OFF	Memory error (RAM)	OFF
E3	OFF	Memory error (non-volatile memory)*	OFF

* Including the case when the rewriting lifespan of the nonvolatile memory is reached.

Recovery method

As an action, turn the power OFF then back ON again. If the display restored to normal, then a probable cause can be external noise affecting the system. Check for external noise. In the case of E3, input gate ("0000" will be displayed) and turn power ON again. After that, if it still remains the same, the product must be repaired.

Changes in Specifications

The Timer manufactured in April 2014 or after will be upgraded. The major changes are described below.

- Backup Battery Connection to Timers with Memory Backup
Previously, an external backup battery was required for Timers with memory backup, but the Timer has been upgraded so that the external battery is no longer necessary.

**Conformance to EN/IEC Standards**

- When conforming to EMC standards, refer to the information provided in datasheet for cable selection and other conditions.
- This is a class A product. In residential areas it may cause radio interference, in which case the user may be required to take adequate measures to reduce interference.
- 100-240 VAC types: There is basic insulation between the power supply terminals and input terminals, and between power supply terminals and output terminals, and between input and output terminals.
12-48 VDC types: No insulation is provided between the power supply and input terminals. There is basic insulation between power supply terminals and output terminals, and between input and output terminals.
- If double or reinforced insulation is required, use the double or reinforced insulation defined in IEC 60664 that is suitable for the maximum applied voltage for the clearance, solid insulation, and other factors.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

In the interest of product improvement, specifications are subject to change without notice.

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