

DIMENSIONS







CONNECTING SOCKETS

Socket Timer	Track mounting socket	Back mounting socket
H5CN-	P2CF-08	P3G-08
H5CN-X NM	P2CF-11	P3G-11

* Track mounted socket can be used as s front connecting socket.



Excepting the wirings for power supply circuit, avoid the laying of input signal wires in parallel or in the same conduit with hightension or power lines. It is recommended to use shielded wires or wiring with independent metal conduits for the shortest possible distance.

- · Do not apply an external voltage to input terminals
- For reset input and gate input, use a goldplated contact of high contact reliability.
- Use of a gate input contact with minimum contact bounce(chatter)is a must. * * Gate input
- (For a suspention of timekeeping) Terminal @must be open when not using this input
- *Reset input

NOTE

reset input is applied.)

- (External reset input)
- Terminal ③ must be open when not using this point.

For the types without digital display,an IN indicator(LED)is provided to indicate power application. (This LED, however, goes off when the

■PANEL CUTOUT



Contact output type

(Internal circuit of

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control output contact) Terminals (5),(6) and (8) are for control output

Panel thickness 1~3.2mm

> Solid-state output type (Internal circuit of control output section) Terminals (6) and (8) are for open



Battery connection 6

Contact the positive terminal of the battery (modelY92S-20)to the terminal ①,and the negative terminal to the terminal ①,

TIMING CHART(OPERATION MODE)





- For power reset, be sure to provide a power OFF time of more than 0.5sec. When using AC power source, connect the power lines to the specified ter-minals regardless to polarities. When using DC power source, pay attention to the polarities.
- For DC-operated version, use the power source with ripple factor of 20% max. and with the average voltage within the permissible operating voltage range

Battery connection to the type with memory back up function. Be sure to connect a battery to the type with

memory back up function. (Any battery with 3V can be used. Memory retained time however, depends on batteries.) Count values may not be retained or

outputs may produced after power recovery, it power failed for more than 10 minutes under no battery connection to the timer. In this case, use the timer after applying the reset input once

About buit-in battery

The Y92S-20 has a built-in lithium battery Do not throw the exhausted lithium battery in fire

Be sure to dispose of the old battery as nonflammable garbage.



Type without memory back up

function Connection of contact signal inputs

CONNECTIONS

■HINTS ON CORRECT USE

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•SETTING OF OPERATING TIME Time setting range

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Setting range	Туре
0.001to9.999sec	H5CN-
0.01 to 99.99sec	H5CN-
0.1 to 999.9sec	H5CN-
1sec to 99min 59sec	H5CN-CC
1min to 99h59min	H5CN-DD

- 1. Since Model H5CN timer is capable of reading the input data at any time during normal operation, 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 the newly set time. To prevent this possibility, use the optional protective cover Type Y92A-48B.
- 2.When the set time is all zeroes (e.g., 000. Osec or 00h00min),there will be a momentary control output which can be used for a 'time zero' test. When changing the set time during normal operation, pay special attention not to alter the set value to this state.



solid-state signal inputs

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3. 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 time to drift widely. Therefore, press thumbwheel switches surely. Take particular care in the case surely. Take particular care in the case when the other three digits are all zero, since the improper setting of the fourth switch to create four zeros will cause a momentary output.



4. Take particular care with the Type H5CN-Z which is capable of setting in 1/ 1000 th of a second since its digital display may display an error of plus or minus 1/1000 sec from the set value. Note that a fixed error (0.03 to 0.05 sec.)

may occur. (Repeat accuracy is approx.1 to 2msec) Power Source

Full supply voltage must be applied at one time to the timer through the contacts, namely the switches and relays. Gradual application of the supply voltage may cause reset failure or time-out

Collector output. A diode is connected between termenal Sand to absorb the counterelectromotive force that occurs when connecting an inductive load.

(Only in case with type with memory back up function.)

