

Digital Timer H5CZ

Easy to Use and Easy to Read.



Basic Features

- Character height of 10 mm for better readability.
- Operation is simplified by the Up/Down Keys for each digit on 4-digit.

Safety and Reliability

- Power supply circuit and input circuits are isolated for safety and reliability.
- Set value limit function prevents unexpected operation of output devices caused by setting mistakes.
- Output counter function helps in managing the service life of the Timer or the load.

Other Features

- Models with instantaneous contact output.
- Waterproof, dust-proof structure (UL508 Type 4X and IP66).
- Key protection.



Refer to *Safety Precautions* on page 29.

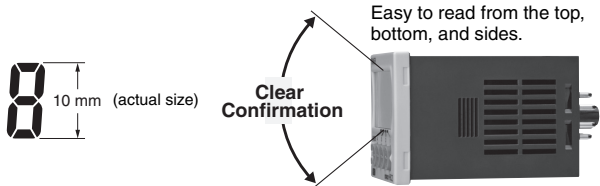
For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Features

Basic Features

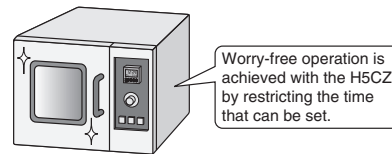
Better Readability

Character Height of 10 mm with a Wide Viewing Angle.



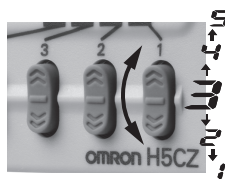
Set Value Limit

You can set an upper limit for the set value to prevent unexpected operation of output devices caused by setting mistakes.



The Easiest Operation

Operation is simplified by the Up/Down Keys for each digit on 4-digit.



Output Counter

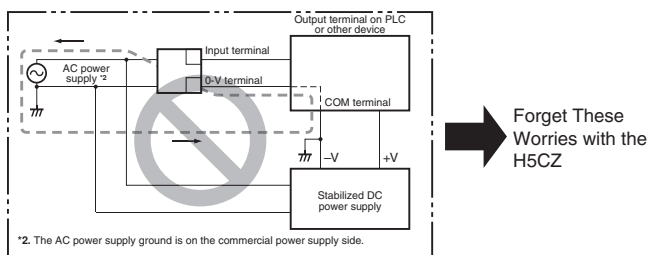
The output counter counts the number of times the output turns ON (alarm display, count monitoring, count in increments of 1,000). This counter is useful in managing the service life of the Timer or the load.

Safety and Reliability

Isolated Power Supply and Input Circuits *1

Power supply circuit and input circuits are isolated for safety and reliability.

Previous non-isolated timers had wiring restrictions and could be damaged if wired incorrectly. The H5CZ removes these worries.



*1. H5CZ with 100 to 240-VAC specifications.

Other Features

Models with Instantaneous Contact Output

Models with instantaneous contact outputs have been added for use with self-holding circuits and as auxiliary relays. These models are also convenient when replacing analog timers.

Waterproof, Dust-proof Structure (UL508 Type 4X and IP66)

Worry-free application is possible in locations subject to water.

Note: When the Y92S-29 Waterproof Packing is used.

Key Protection

Select from any of seven protection patterns. Use the best one for the application.

New Modes

Modes, such as a stopwatch mode (Mode S), have been added. Select any of 15 modes.

H5CZ

Model Number Structure

Model Number Legend

H5CZ-L
1 2 3

1. External Connections

Symbol	Meaning
8	8-pin socket

2. Output type

Symbol	Meaning
None	Contact output (time-limit SPDT)
E	Contact output (time-limit SPDT + instantaneous SPDT) *

* Can be used as a time-limit DPDT output.

3. Supply voltage

Symbol	Meaning
None	100 to 240 VAC 50/60 Hz
D	12 to 24 VDC/24 VAC 50/60 Hz

Ordering Information

List of Models

Type	Time specifications	Operating modes	External connections	Inputs	Outputs	Supply voltage	Models
H5CZ	0.001 to 9.999 s 0.01 to 99.99 s 0.1 to 999.9 s 1 to 9999 s 1 s to 99 min 59 s 0.1 to 999.9 min 1 to 9999 min 1 min to 99 h 59 min 0.1 to 999.9 h 1 to 9999 h	Timer Mode A: Signal ON Delay I A-1: Signal ON Delay II A-2: Power ON Delay I 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	8-pin socket	Signal, Reset (NPN inputs)	Contact output (time-limit SPDT)	100 to 240 VAC	H5CZ-L8
		Twin Timer Mode toff: Flicker OFF Start 1 ton: Flicker ON Start 1 toff-1: Flicker OFF Start 2 ton-1: Flicker ON Start 2				12 to 24 VDC/24 VAC	H5CZ-L8D
		Timer Mode A-2: Power ON Delay I b: Repeat cycle 1 E: Interval Z: ON/OFF-duty-adjustable flicker		None	Contact output (time-limit SPDT + instantaneous SPDT) Models with instantaneous contact outputs *	100 to 240 VAC	H5CZ-L8E
		Twin Timer Mode toff: Flicker OFF Start 1 ton: Flicker ON Start 1				12 to 24 VDC/24 VAC	H5CZ-L8ED

Note: The functions that are provided depend on the model. Check detailed specifications before ordering.

* A time-limit DPDT output can also be used.

Accessories (Order Separately)

Soft Cover

Models	Page
Y92A-48F1	9

Hard Cover

Models	Page
Y92A-48	9

Flush Mounting Adapter

Models	Page
Y92F-30	9

Waterproof Packing

Models	Page
Y92S-29	9

Connection Sockets

Models	Type	Remarks	Page
P2CF-08	Front Connecting Socket	---	10
P2CF-08-E	Front Connecting Socket (Finger-safe Type)	Round crimp terminals cannot be used on Finger-safe Sockets. Use forked crimp terminals.	
P3G-08	Back Connecting Socket	A Y92A-48G Terminal Cover can be used with the Socket to create a finger-safe construction.	

Terminal Covers for P3G-08 Back-connecting Sockets

Models	Page
Y92A-48G	10