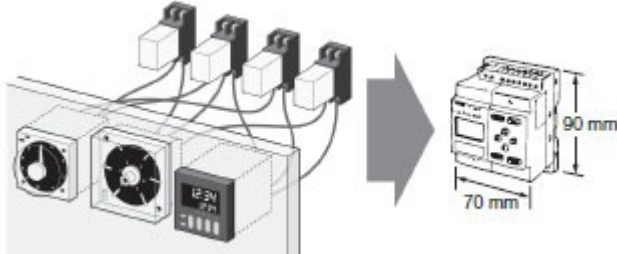


Easy and Simple Programming for Automatic Small-scale Control

Saves Space, Wiring, and Installation Steps

- Versatile functionality in a compact body (70 mm wide × 90 mm high).
- This single Unit easily provides relay, timer, counter, and time switch functions. Wiring work is greatly reduced because separate wiring is not required for devices such as timers and counters.



Easy Programming

The LCD screen comes with 8 operation buttons on the front panel to enable programming in ladder view format. The LCD screen also has a backlight, making it easier to see when the ZEN is used in dark locations.

Note: Not supported for ZEN-C2-V2 models.



Flexible Expansion Enables Up to 44 I/O Points

Up to three Expansion I/O Units can be connected if there are not enough I/O points. Expansion I/O Units are only 35 mm wide.

Note: CPU Units with 10 I/O points can be expanded to 34 I/O points.

Expansion I/O Units cannot be connected to Economy-type CPU Units.



Support Software with Simulation Function

- Programs can be easily written, saved, and monitored by personal computer.
- Programs can be simulated on the personal computer without connecting to the ZEN.



Note: For notebook computers that do not have an RS-232C serial port, connect the computer to the ZEN by connecting an OMRON CS1W-CIF31 USB-Serial Conversion Cable to the ZEN-CIF01 Connecting Cable.

Other Versatile Functions

- Use of a Memory Cassette makes it easy to copy and save programs.
 - Equipped with two analog input channels (CPU Units with DC power supply only).
 - Password function ensures security. *
 - Multi-language display in six languages (English, Japanese, German, French, Spanish, Italian). *
 - Display user-set messages or analog-converted values. *
- * Not supported for ZEN-C2-V2 models.

Enhanced Features of V2 CPU Units

Improved Weekly Timer and Calendar Timer Functions

Note: Not supported for ZEN-C2-V2 models.

- The time precision has been increased.

Conventional model: 2-min difference/month



-V2 models: ± 15 -s difference/month (at 25°C)

- Multiple-day operation and pulse-output operation are now possible.
- These improved functions are convenient for time-controlled applications such as lighting and air conditioning control.



Lighting control



Air conditioning control

Economy-type Added to the Series

Economy-type CPU Units with a more affordable price have been added to the series, although Expansion I/O Units cannot be added.

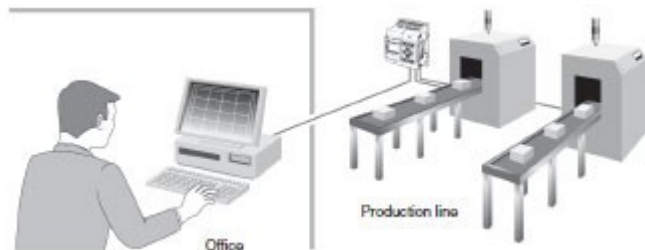
12 to 24 VDC Line Voltage Operation

Operation is now possible with 12 VDC.

Expansion I/O Units have been reduced to half-size (35 mm wide).

RS-485 Communications Model Added to Series

Production line conditions can be remotely monitored by monitoring the ZEN control status.



More Precise Analog Input

Conventional model: $\pm 10\%$ FS \rightarrow -V2 models: $\pm 1.5\%$ FS DC power supply models are equipped with two analog inputs (0 to 10 V). There are four analog comparators. The increased precision makes it even easier to use the Unit in simple control applications with voltage, current, temperature, and other analog values.

■ **8-digit Counter, 150-Hz Counter**

- An 8-digit counter and 8-digit comparator have been added.
- The maximum count for DC power supply models is 150 Hz.

■ **Twin-timer Operation Added**

Twin-timer operation allows you to set ON and OFF times separately, greatly simplifying intermittent operation.