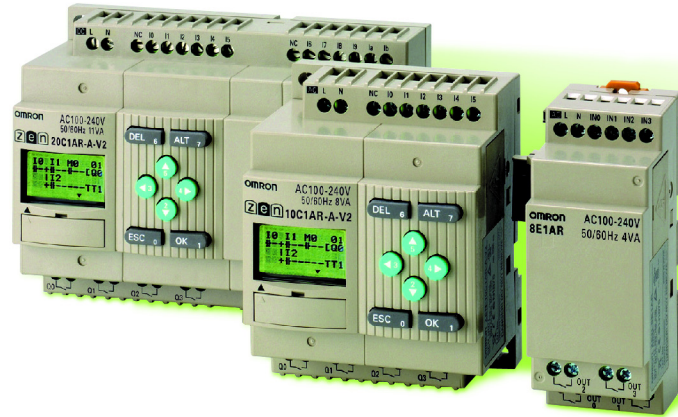


Omron's Easy-To-Use Programmable Relay Offers Precision and Space Savings for Small Scale Control Applications

zen

Smart. Simple. Small.

The ideal solution for managing a wide range of simple applications, including automatic lighting, access control, conveyor positioning, pump control, testing equipment, watering systems, or ventilation systems.



ZEN Starter Kits – Great introduction to the power and simplicity of the ZEN Series

Includes everything for self-training, system design, and installation:

- 10 I/O CPU
- PC programming cable (RS-232 to ZEN)
- Support software
- Manuals
- Simulator switches



| | | |
|------------------|---------------------------------|----------|
| ZEN-STARTER01-V2 | AC I/O Kit with ZEN-10C1AR-A-V2 | \$193.00 |
| ZEN-STARTER02-V2 | DC I/O Kit with ZEN-10C1AR-D-V2 | \$193.00 |

System Advantages

- Delivers the flexibility and functionality of separate timers, counters, and relays for control applications with up to 44 I/O.
- New economy CPU models – **perfect for applications that require less than 10 or 20 points of I/O.** (Does not accept expansion units).
- Save time by using the memory cassette to transfer programs between ZEN units and standardize updates to end users.
- Reduce wiring and engineering time using simple ladder logic programming with the push of a button or click of the mouse.
- Easily add up to 3 ultra-slim 35mm, 8 I/O expansion units when more points of control are required.

System Features

- Accurate analog inputs $\pm 1.5\%$ FS.
- Wide supply voltage range of 10.8 to 28.8 VDC.
- Flexible mounting – either horizontal or vertical.
- New CPUs with built-in RS-485 communications for data sharing.
- Advanced high-value counting with 8-digit counter and 8-digit comparators, in addition to 16 standard counters.
- One 150-Hz high-speed counter available on models with DC power supply.
- Twin-timer operation allows you to set ON and OFF times separately, greatly simplifying intermittent operation.
- Password function ensures security.
- Display user-set messages or analog-converted values.


ZEN Support Software

- Easily write ladder programs, monitor programs online, set parameters, print, and save files in the Windows® environment.
- Offers simulation capability to simplify program debugging; allows programs to be simulated on a personal computer without connecting to ZEN.




Smart. Simple. Small.

10-Point CPU Programmable Relay Units


| Appearance | Description | Inputs / Power Supply | Outputs | Analog Input / Comparators | 8-digit Counter / Comparators | Model Number | List Price |
|--|--|-------------------------------------|-------------------|----------------------------|-------------------------------|------------------------|-----------------|
|  90 H x 70 W x 56 D mm | 10 I/O CPU Expandable up to 34 I/O | 6 100 to 240 VAC 12 to 24 VDC | 4 Relays | - | Yes / 4 | ZEN-10C1AR-A-V2 | \$115.00 |
| | | | | 2 Ch. 0 - 10V / 4 | Yes / 4 | ZEN-10C1DR-D-V2 | \$115.00 |
| | 10 I/O CPU Economy model (non-expandable) | 100 to 240 VAC 12 to 24 VDC | 4 Relays | 2 Ch. 0 - 10V / 4 | Yes / 4 | ZEN-10C1DT-D-V2 | \$115.00 |
| | | | | - | Yes / 4 | ZEN-10C3AR-A-V2 | \$90.00 |
| | 9 I/O CPU with RS-485 Communications Expandable up to 33 I/O | 100 to 240 VAC 12 to 24 VDC | 3 | 2 Ch. 0 - 10V / 4 | Yes / 4 | ZEN-10C3DR-D-V2 | \$90.00 |
| | | | | - | Yes / 4 | ZEN-10C4AR-A-V2 | \$185.00 |
| | | | 2 Ch. 0 - 10V / 4 | Yes / 4 | ZEN-10C4DR-D-V2 | \$185.00 | |

20-Point CPU Programmable Relay Units





| Appearance | Description | Inputs / Power Supply | Outputs | Analog Input / Comparators | 8-digit Counter / Comparators | Model Number | List Price |
|---|---|--------------------------------------|-------------|----------------------------|-------------------------------|------------------------|-----------------|
|  90 H x 122.5 W x 56 D mm | 20 I/O CPU Expandable up to 44 I/O | 12 100 to 240 VAC 12 to 24 VDC | 8 Relays | - | Yes / 4 | ZEN-20C1AR-A-V2 | \$155.00 |
| | | | | 2 Ch. 0 - 10V / 4 | Yes / 4 | ZEN-20C1DR-D-V2 | \$155.00 |
| | 20 I/O CPU Economy model (non-expandable) | 100 to 240 VAC 12 to 24 VDC | 8 Relays | 2 Ch. 0 - 10V / 4 | Yes / 4 | ZEN-20C1DT-D-V2 | \$155.00 |
| | | | | - | Yes / 4 | ZEN-20C3AR-A-V2 | \$130.00 |
| | | | | 2 Ch. 0 - 10V / 4 | Yes / 4 | ZEN-20C3DR-D-V2 | \$130.00 |

10 and 20 I/O models available without display. Please refer to datasheet for more information.

I/O Expansion Units

| Appearance | Description | Inputs / Power Supply | Outputs | Model Number | List Price |
|--|-----------------------|-------------------------------------|-------------|------------------|----------------|
|  90 H x 35 W x 56 D mm | 8 I/O Expansion units | 4 100 to 240 VAC 12 to 24 VDC | 4 Relays | ZEN-8E1AR | \$69.52 |
| | | | | ZEN-8E1DR | \$69.52 |
| | | | Transistors | ZEN-8E1DT | \$69.52 |

ZEN Accessories

| Appearance | Description | Model Number | List Price |
|---|--|---------------------|----------------|
|  | ZEN Support Software | ZEN-SOFT01V4 | \$40.00 |
|  | ZEN Programming Cable – Serial to ZEN (2m) | ZEN-CIF01 | \$80.08 |
|  | Memory Cassette EEPROM – Copies program to multiple units | ZEN-ME01 | \$31.25 |
|  | ZEN Battery – Use with controller CPU to provide 10 years of memory protection to prevent data loss in the event of an extended power outage (45 H x 17.5 W x 44 D mm) | ZEN-BAT01 | \$37.33 |



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