PRODUCT NEWS

Product Discontinuation Notice

Programmable Relays

OMRON

Issue Date
March, 2023

No. B-212276

Discontinuation Notice of Programmable Relays Model ZEN series.

Product Discontinuation		Recommended Replacement
Programmable Relays		Programmable controller
Model ZEN series	➡	**Model CP2E series**

[Final order entry date]

The end of March 2024

[Date of The Last Shipping]

The end of June 2024

[Caution on recommended replacement]

ZEN series are no maintenance.

Programmable relay ZEN series will be discontinued to manufacture and integrated to Programmable controller CP2E series.
Many specifications of ZEN are different from CP2E. So, please confirm the detail in manual and replace system.

[Difference from discontinued product]

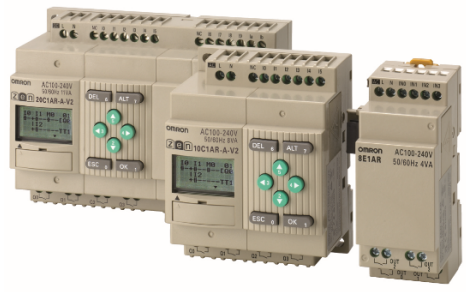
Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	Operation ratings	Operation methods
CP2E series	--	--	--	--	--	--	--

** : Compatible
* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

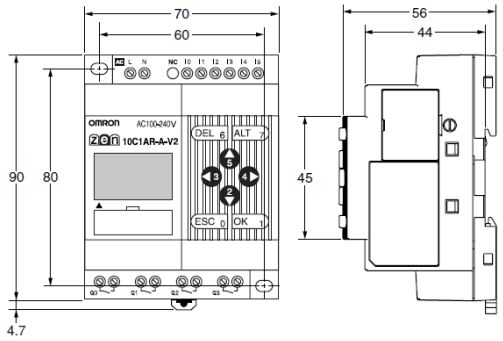
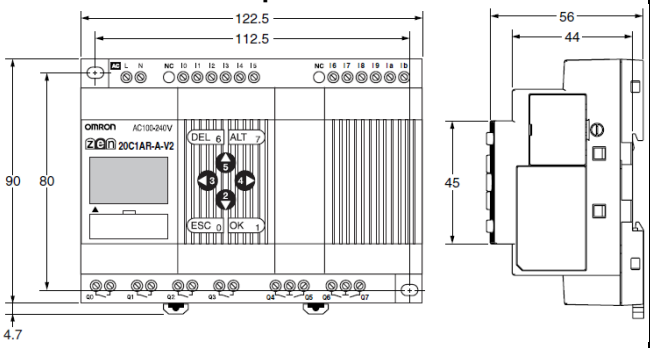
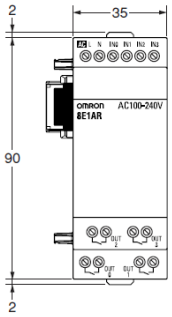
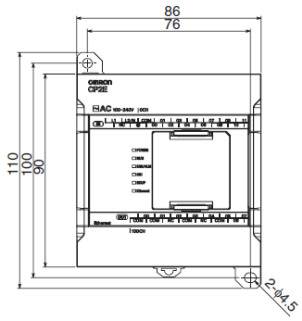
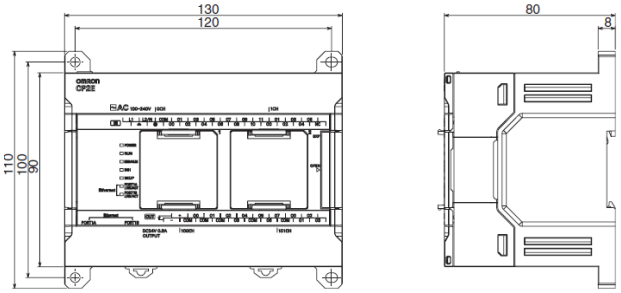
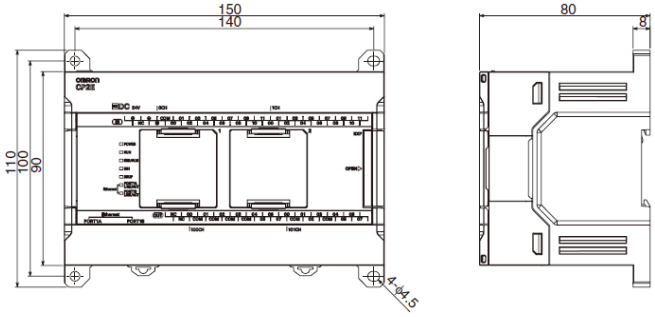
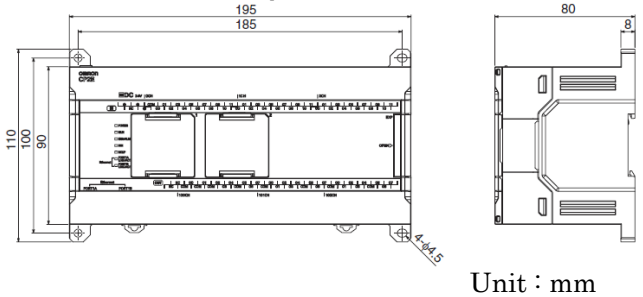
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
ZEN-10C1AR-A-V2	CP2E-N14DR-A
ZEN-10C1DR-D-V2	CP2E-N14DR-D
ZEN-10C1DT-D-V2	CP2E-N14DT-D
ZEN-10C2AR-A-V2	CP2E-N14DR-A
ZEN-10C2DR-D-V2	CP2E-N14DR-D
ZEN-10C2DT-D-V2	CP2E-N14DT-D
ZEN-10C3AR-A-V2	CP2E-N14DR-A
ZEN-10C3DR-D-V2	CP2E-N14DR-D
ZEN-10C4AR-A-V2	CP2E-N14DR-A
ZEN-10C4DR-D-V2	CP2E-N14DR-D
ZEN-20C1AR-A-V2	CP2E-N20DR-A
ZEN-20C1DR-D-V2	CP2E-N20DR-D
ZEN-20C1DT-D-V2	CP2E-N20DT-D
ZEN-20C2AR-A-V2	CP2E-N20DR-A
ZEN-20C2DR-D-V2	CP2E-N20DR-D
ZEN-20C2DT-D-V2	CP2E-N20DT-D
ZEN-20C3AR-A-V2	CP2E-N20DR-A
ZEN-20C3DR-D-V2	CP2E-N20DR-D
ZEN-8E1AR	No recommended replacement
ZEN-8E1DR	No recommended replacement
ZEN-8E1DT	No recommended replacement

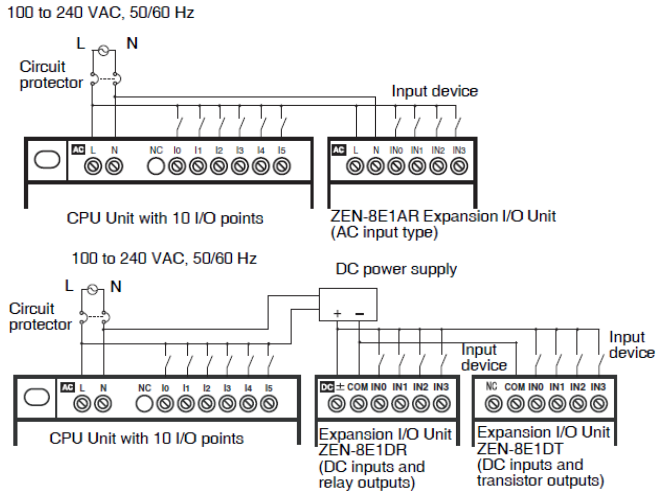
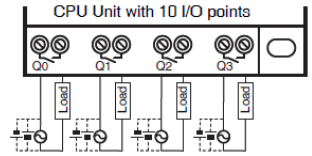
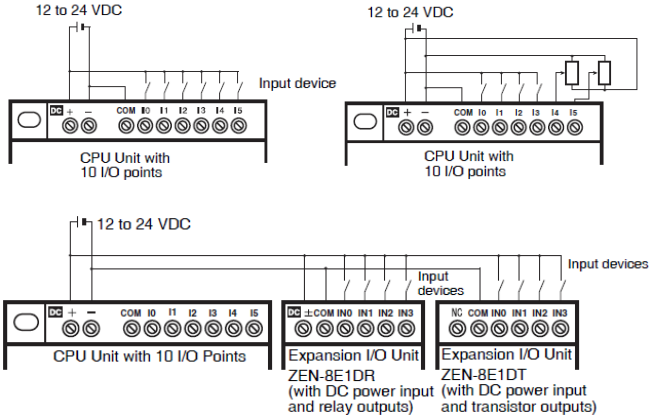
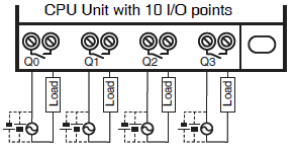
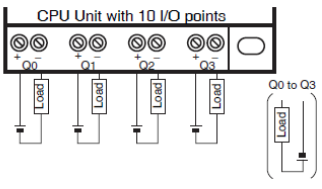
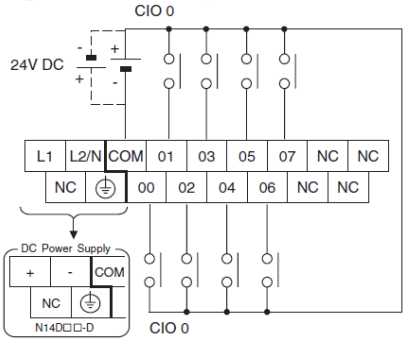
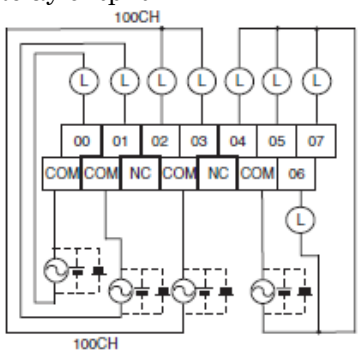
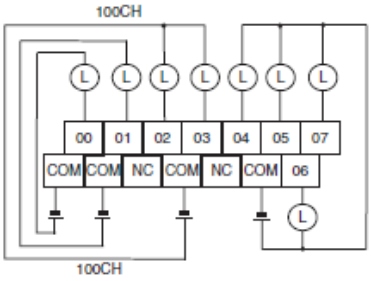
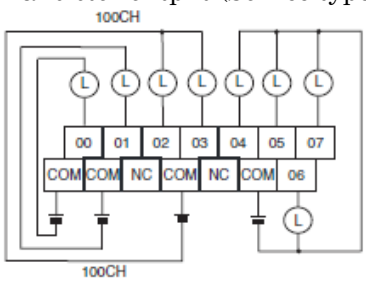
[Body color]

Product discontinuation Model ZEN series	Recommendable replacement Model CP2E series
Ivory 	**Black** 

[Dimensions]

Product discontinuation Model ZEN series	Recommendable replacement Model CP2E series
CPU Units with 10 I/O points  **CPU Units with 20 I/O points**  **Expansion I/O Units**  Unit：mm	**All dimensions (H x D x W) are changed from ZEN.** **CPU Units with 14/20 I/O points**  **CPU Units with 30 I/O points**  **CPU Units with 40 I/O points**  **CPU Units with 60 I/O points**  Unit：mm

[Wire connection]

Product discontinuation Model ZEN series	Recommendable replacement Model CP2E series
Terminal block : European type **Wiring Diagrams** Example:ZEN-10C1AR-A-V2 - Input wiring diagram  - Output wiring diagram  Example:ZEN-10C1D□-D-V2 - Input wiring diagram Connecting a negative Common  - Output wiring diagram Relay type  Transistor type  	**Terminal block : M3 screw type.** **Wiring Diagrams** Example : CPU Units with 14/20 I/O points - Input wiring diagram  * : 0ch08 to 11bit are NC with 14 I/O points. - Output wiring diagram Relay output  Transistor output (Sink type)  Transistor output (Source type)  * : 1000ch06 to 07bit are NC with 14 I/O points.

[Characteristics]

Item		Product discontinuation Model ZEN series	Recommendable replacement Model CP2E series
Power Supply voltage		AC type : 100 to 240 VAC DC type : 12 to 24 VDC	AC type : 100 to 240 VAC DC type : 24 VDC
Ambient operating temperature		LCD type : 0 to 55°C LED type : -25 to 55°C	-20 to 60°C
Ambient storage temperature		LCD type : -20 to 75°C LED type : -40 to 75°C	-20 to 75°C
Degree of protection		IP20 (Mounted in a panel)	IP20 (Mounted in a panel)
LCD display, Operation button		LCD : 12 characters x 4 lines Button : 8	None
Memory Cassette		ZEN-ME01 Used to save and copy programs	None
Calendar / Time		Accuracy : +/-15s/month (at 25°C) (Only provide for LCD type)	Accuracy : +/-120s/month (at 25°C)
Battery		ZEN-BAT01	CP2E-BAT02
Maximum number of I/O points		44 points	180 points
Program capacity		96 lines (up to 3 inputs and 1 output per line)	10k steps (CP2E-N)
Data backup for power interruptions		- Internal holding bit status, holding timer/counter present values, calendar and clock Super Capacitor : 2days (at 25°C) Battery (Option)	- Holding area data, DM Area data, Counter completion flags, Counter present values and Auxiliary area data non-volatile memory (Battery less) - Clock Battery (Option)
Programming device		ZEN-SOFT01-V1	CX-Programmer Ver.9.72 or higher
Input	**AC inputs**	100 to 240 VAC, 50/60Hz	None
	DC inputs	12 to 24 VDC	24 VDC
	Analog inputs	0 - 10V	None
Output	**Relay outputs**	250 VAC/8A, 24 VDC/5A	250 VAC/2A, 24 VDC/2A
	Transistor outputs	24 VDC/0.5A	24 VDC/0.3A

* : Only main Specification and characteristics are described.
For details, refer to the datasheet or manual of each product.