

**Discontinuation Notice of Programmable Relays Model ZEN series.****Product Discontinuation**

Programmable Relays

**Model ZEN series****Recommended Replacement**

Programmable controller

**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	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
CP2E series	--	--	--	--	--	--	--

\*\* : Compatible

\* : The change is a little/Almost compatible

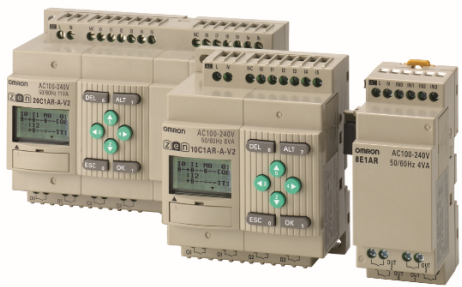

-- : Not compatible

- : 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

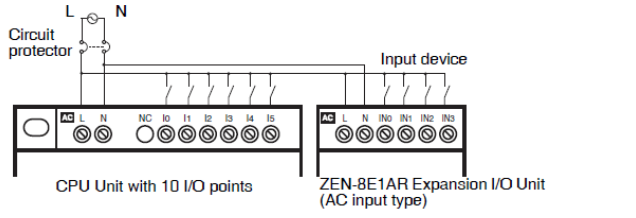
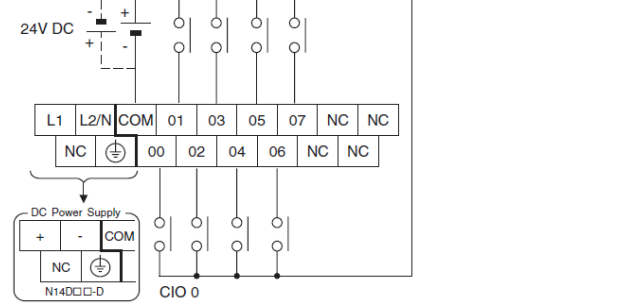
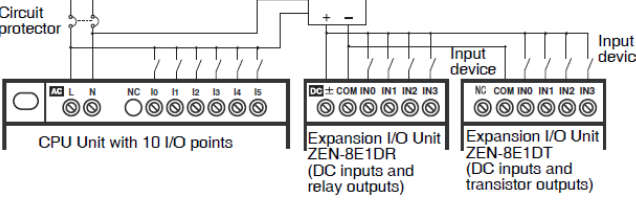
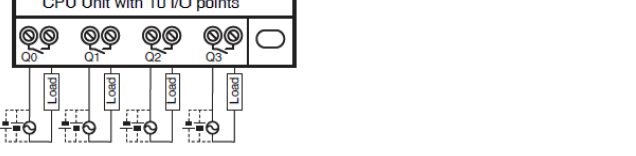
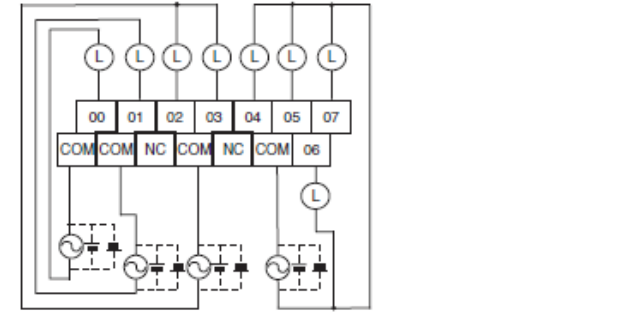
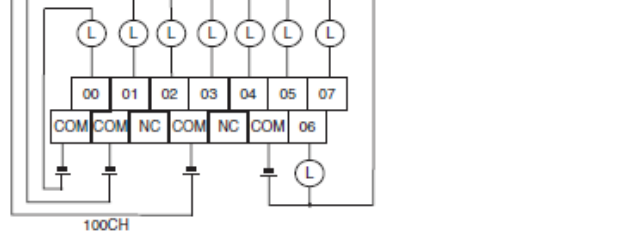
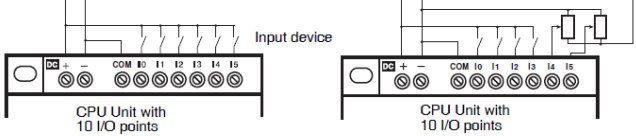
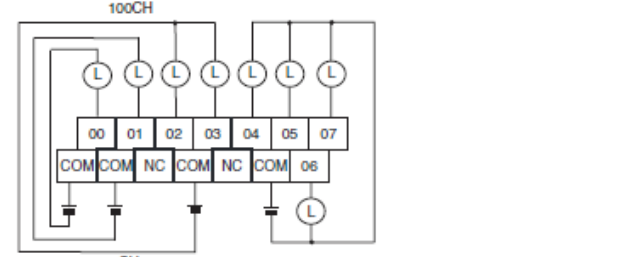
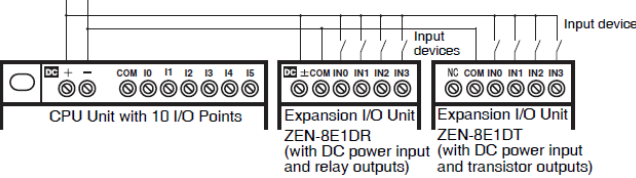
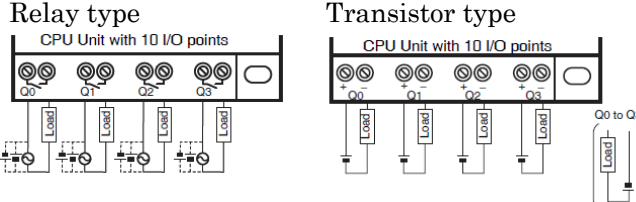
**[ Body color ]**

Product discontinuation Model ZEN series	Recommendable replacement Model CP2E series
<p><b>Ivory</b></p> 	<p><b>Black</b></p> 

**[ Dimensions ]**

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

[ Wire connection ]

<p align="center"><b>Product discontinuation</b> <b>Model ZEN series</b></p>	<p align="center"><b>Recommendable replacement</b> <b>Model CP2E series</b></p>
<p><b>Terminal block : European type</b></p>	<p><b>Terminal block : M3 screw type.</b></p>
<p><b>Wiring Diagrams</b></p>	<p><b>Wiring Diagrams</b></p>
<p>Example: ZEN-10C1AR-A-V2</p>	<p>Example : CPU Units with 14/20 I/O points</p>
<p>- Input wiring diagram</p>	<p>- Input wiring diagram</p>
<p>100 to 240 VAC, 50/60 Hz</p>	<p>24V DC</p>
 <p>Circuit protector</p> <p>Input device</p> <p>CPU Unit with 10 I/O points</p> <p>ZEN-8E1AR Expansion I/O Unit (AC input type)</p>	 <p>CIO 0</p> <p>DC Power Supply</p> <p>CIO 0</p>
<p>100 to 240 VAC, 50/60 Hz</p>	<p>* : 0ch08 to 11bit are NC with 14 I/O points.</p>
 <p>Circuit protector</p> <p>Input device</p> <p>Input device</p> <p>CPU Unit with 10 I/O points</p> <p>Expansion I/O Unit ZEN-8E1DR (DC inputs and relay outputs)</p> <p>Expansion I/O Unit ZEN-8E1DT (DC inputs and transistor outputs)</p>	<p>- Output wiring diagram</p>
<p>- Output wiring diagram</p>	<p>Relay output</p>
 <p>CPU Unit with 10 I/O points</p>	 <p>100CH</p> <p>100CH</p>
<p>Example: ZEN-10C1D-D-V2</p>	<p>Transistor output (Sink type)</p>
<p>- Input wiring diagram</p>	<p>Transistor output (Source type)</p>
<p>Connecting a negative Common</p>	 <p>100CH</p> <p>100CH</p>
<p>12 to 24 VDC</p>	<p>Transistor output (Source type)</p>
 <p>Input device</p> <p>CPU Unit with 10 I/O points</p> <p>CPU Unit with 10 I/O points</p>	 <p>100CH</p>
<p>12 to 24 VDC</p>	<p>* : 1000ch06 to 07bit are NC with 14 I/O points.</p>
 <p>Input devices</p> <p>CPU Unit with 10 I/O Points</p> <p>Expansion I/O Unit ZEN-8E1DR (with DC power input and relay outputs)</p> <p>Expansion I/O Unit ZEN-8E1DT (with DC power input and transistor outputs)</p>	<p>- Output wiring diagram</p>
<p>- Output wiring diagram</p>	<p>Relay type</p>
 <p>CPU Unit with 10 I/O points</p> <p>CPU Unit with 10 I/O points</p>	<p>Transistor type</p>

[ Characteristics ]

Item	Product discontinuation Model ZEN series	Recommendable replacement Model CP2E series
<b>Power Supply voltage</b>	AC type : 100 to 240 VAC DC type : 12 to 24 VDC	AC type : 100 to 240 VAC DC type : 24 VDC
<b>Ambient operating temperature</b>	LCD type : 0 to 55°C LED type : -25 to 55°C	-20 to 60°C
<b>Ambient storage temperature</b>	LCD type : -20 to 75°C LED type : -40 to 75°C	-20 to 75°C
<b>Degree of protection</b>	IP20 (Mounted in a panel)	IP20 (Mounted in a panel)
<b>LCD display, Operation button</b>	LCD : 12 characters x 4 lines Button : 8	None
<b>Memory Cassette</b>	ZEN-ME01 Used to save and copy programs	None
<b>Calendar / Time</b>	Accuracy : +/-15s/month (at 25°C) (Only provide for LCD type)	Accuracy : +/-120s/month (at 25°C)
<b>Battery</b>	ZEN-BAT01	CP2E-BAT02
<b>Maximum number of I/O points</b>	44 points	180 points
<b>Program capacity</b>	96 lines (up to 3 inputs and 1 output per line)	10k steps (CP2E-N)
<b>Data backup for power interruptions</b>	- 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)
<b>Programming device</b>	ZEN-SOFT01-V1	CX-Programmer Ver.9.72 or higher
<b>Input</b>	<b>AC inputs</b>	100 to 240 VAC, 50/60Hz
	<b>DC inputs</b>	12 to 24 VDC
	<b>Analog inputs</b>	0 - 10V
<b>Output</b>	<b>Relay outputs</b>	250 VAC/8A, 24 VDC/5A
	<b>Transistor outputs</b>	24 VDC/0.5A

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

Specifications and prices in this product news are as of the issue date and are subject to change without notice.  
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.