

Product Discontinuation Notices

Programmable Controllers

Issue Date
January 4, 2021

No. 2021001CE

Discontinuation Notice of CP1E CPU units.

Product Discontinuation

CP1E CPU units

Model CP1E-E14[]-A
Model CP1E-E20[]-A
Model CP1E-E30[]-A
Model CP1E-E40[]-A
Model CP1E-E60[]-A
Model CP1E-N30S[]-[]
Model CP1E-N40S[]-[]
Model CP1E-N60S[]-[]
Model CP1E-N14D[]-[]
Model CP1E-N20D[]-[]
Model CP1E-N30D[]-[]
Model CP1E-N40D[]-[]
Model CP1E-N60D[]-[]



Recommended Replacement

CP2E CPU units

Model CP2E-E14[]-A
Model CP2E-E20[]-A
Model CP2E-E30[]-A
Model CP2E-E40[]-A
Model CP2E-E60[]-A
Model CP2E-S30D[]-[]
Model CP2E-S40D[]-[]
Model CP2E-S60D[]-[]
Model CP2E-N14D[]-[]
Model CP2E-N20D[]-[]
Model CP2E-N30D[]-[]
Model CP2E-N40D[]-[]
Model CP2E-N60D[]-[]

[Final order entry date]

The end of March 2022

[Date of The Last Shipping]

The end of June 2022

[Scheduled date of maintenance close]

The end of March 2029

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Model CP2E	**	*	*	**	*	*	*

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

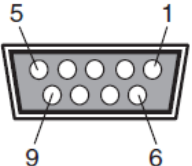
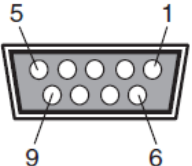
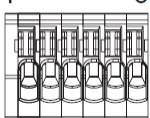
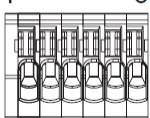
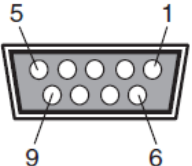
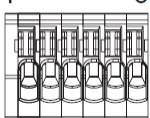
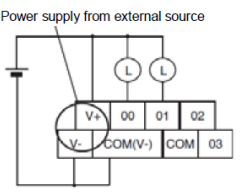
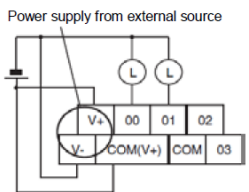
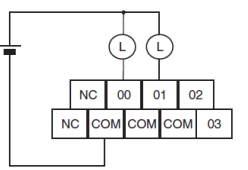
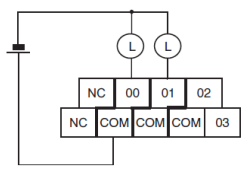
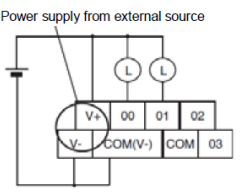
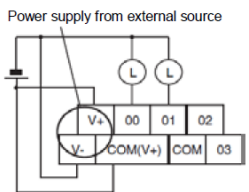
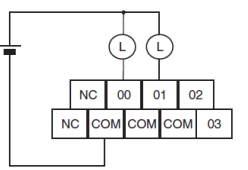
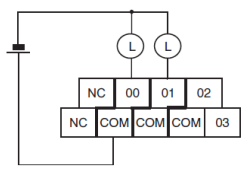
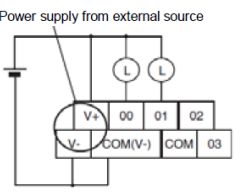
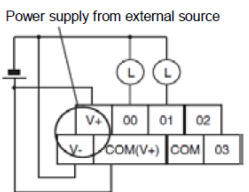
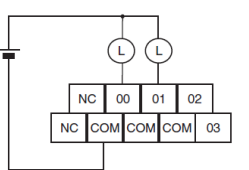
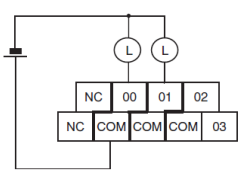
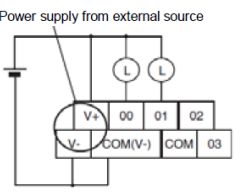
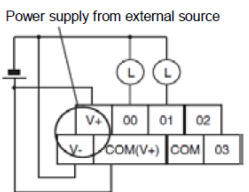
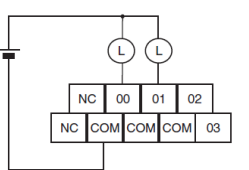
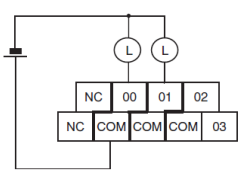
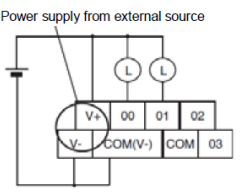
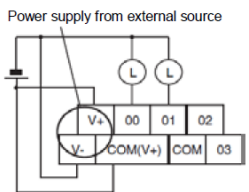
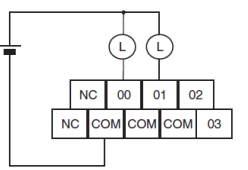
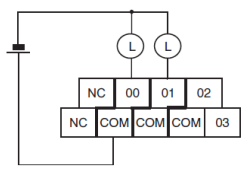
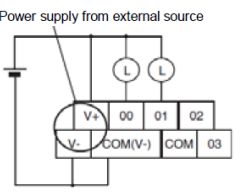
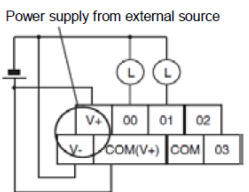
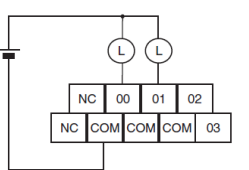
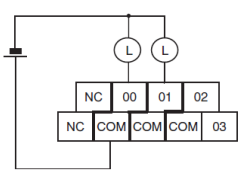
Product discontinuation	Recommended replacement
CP1E-E14DR-A	CP2E-E14DR-A
CP1E-E14SDR-A	CP2E-E14DR-A
CP1E-E20DR-A	CP2E-E20DR-A
CP1E-E20SDR-A	CP2E-E20DR-A
CP1E-E30DR-A	CP2E-E30DR-A
CP1E-E30SDR-A	CP2E-E30DR-A
CP1E-E40DR-A	CP2E-E40DR-A
CP1E-E40SDR-A	CP2E-E40DR-A
CP1E-E60SDR-A	CP2E-E60DR-A
CP1E-N30S1DR-A	CP2E-S30DR-A
CP1E-N30S1DT-D	CP2E-S30DT-D
CP1E-N30S1DT1-D	CP2E-S30DT1-D
CP1E-N30SDR-A	CP2E-S30DR-A
CP1E-N30SDT-D	CP2E-S30DT-D
CP1E-N30SDT1-D	CP2E-S30DT1-D
CP1E-N40S1DR-A	CP2E-S40DR-A
CP1E-N40S1DT-D	CP2E-S40DT-D
CP1E-N40S1DT1-D	CP2E-S40DT1-D
CP1E-N40SDR-A	CP2E-S40DR-A
CP1E-N40SDT-D	CP2E-S40DT-D
CP1E-N40SDT1-D	CP2E-S40DT1-D
CP1E-N60S1DR-A	CP2E-S60DR-A
CP1E-N60S1DT-D	CP2E-S60DT-D
CP1E-N60S1DT1-D	CP2E-S60DT1-D
CP1E-N60SDR-A	CP2E-S60DR-A
CP1E-N60SDT-D	CP2E-S60DT-D
CP1E-N60SDT1-D	CP2E-S60DT1-D
CP1E-N14DR-A	CP2E-N14DR-A
CP1E-N14DR-D	CP2E-N14DR-D
CP1E-N14DT-A	CP2E-N14DT-A
CP1E-N14DT-D	CP2E-N14DT-D
CP1E-N14DT1-A	CP2E-N14DT1-D
CP1E-N14DT1-D	CP2E-N14DT1-D
CP1E-N20DR-A	CP2E-N20DR-A
CP1E-N20DR-D	CP2E-N20DR-D
CP1E-N20DT-A	CP2E-N20DT-A
CP1E-N20DT-D	CP2E-N20DT-D
CP1E-N20DT1-A	CP2E-N20DT1-D
CP1E-N20DT1-D	CP2E-N20DT1-D
CP1E-N30DR-A	CP2E-N30DR-A
CP1E-N30DR-D	CP2E-N30DR-D
CP1E-N30DT-A	CP2E-N30DT-A
CP1E-N30DT-D	CP2E-N30DT-D
CP1E-N30DT1-A	CP2E-N30DT1-D
CP1E-N30DT1-D	CP2E-N30DT1-D
CP1E-N40DR-A	CP2E-N40DR-A
CP1E-N40DR-D	CP2E-N40DR-D
CP1E-N40DT-A	CP2E-N40DT-A

Product discontinuation	Recommended replacement
CP1E-N40DT-D	CP2E-N40DT-D
CP1E-N40DT1-A	CP2E-N40DT1-D
CP1E-N40DT1-D	CP2E-N40DT1-D
CP1E-N60DR-A	CP2E-N60DR-A
CP1E-N60DR-D	CP2E-N60DR-D
CP1E-N60DT-A	CP2E-N60DT-A
CP1E-N60DT-D	CP2E-N60DT-D
CP1E-N60DT1-A	CP2E-N60DT1-D
CP1E-N60DT1-D	CP2E-N60DT1-D

[Dimensions]

Product Discontinuation Model CP1E			Recommended Replacement Model CP2E	
I/O points	Dimension (W × H × D)		I/O points	Dimension (W × H × D)
	CP1E-E[]DR-A CP1E-N[]D[]	CP1E-E[]SDR-A CP1E-N[]S[]		Model CP2E
14	86 × 90 × 85	86 × 90 × 79	14	86 × 90 × 80
20	86 × 90 × 85	86 × 90 × 79	20	86 × 90 × 80
30	130 × 90 × 85	130 × 90 × 79	30	130 × 90 × 80
40	150 × 90 × 85	150 × 90 × 79	40	150 × 90 × 80
60	195 × 90 × 85	195 × 90 × 79	60	195 × 90 × 80

[Wire connection]

Product Discontinuation Model CP1E	Recommended Replacement Model CP2E																																																					
<p>CX-Programmer connection i/f USB</p>	<p>CX-Programmer connection i/f Model CP2E-E[]/CP2E-S[] : USB Model CP2E-N[] : Ethernet</p>																																																					
<p>Built-in RS-232C port Model CP1E-N[]</p> <table border="1" data-bbox="129 472 778 981"> <thead> <tr> <th rowspan="2">D-sub connector</th> <th rowspan="2">Pin No.</th> <th colspan="2">Signal name</th> </tr> <tr> <th>CP1E-N[]S[]-[]</th> <th>CP1E-N[]D[]-[]</th> </tr> </thead> <tbody> <tr> <td rowspan="10">  </td> <td>1</td> <td>FG</td> <td>FG</td> </tr> <tr> <td>2</td> <td>SD(TXD)</td> <td>SD(TXD)</td> </tr> <tr> <td>3</td> <td>RD(RXD)</td> <td>RD(RXD)</td> </tr> <tr> <td>4</td> <td>RS(RTS)</td> <td>RS(RTS)</td> </tr> <tr> <td>5</td> <td>CS(CTS)</td> <td>CS(CTS)</td> </tr> <tr> <td>6</td> <td>5V</td> <td>5V</td> </tr> <tr> <td>7</td> <td>-</td> <td>DR(DSR)</td> </tr> <tr> <td>8</td> <td>-</td> <td>ER(DTR)</td> </tr> <tr> <td>9</td> <td>SG(0V)</td> <td>SG(0V)</td> </tr> <tr> <td>シールド</td> <td>FG</td> <td>FG</td> </tr> </tbody> </table>	D-sub connector	Pin No.	Signal name		CP1E-N[]S[]-[]	CP1E-N[]D[]-[]		1	FG	FG	2	SD(TXD)	SD(TXD)	3	RD(RXD)	RD(RXD)	4	RS(RTS)	RS(RTS)	5	CS(CTS)	CS(CTS)	6	5V	5V	7	-	DR(DSR)	8	-	ER(DTR)	9	SG(0V)	SG(0V)	シールド	FG	FG	<p>Built-in RS-232C port Model CP2E-S[]</p> <table border="1" data-bbox="815 472 1425 752"> <thead> <tr> <th>Terminal block</th> <th>Pin No.</th> <th>Signal name</th> </tr> </thead> <tbody> <tr> <td rowspan="6">  </td> <td>1</td> <td>SD(TXD)</td> </tr> <tr> <td>2</td> <td>RD(RXD)</td> </tr> <tr> <td>3</td> <td>RS(RTS)</td> </tr> <tr> <td>4</td> <td>CS(CTS)</td> </tr> <tr> <td>5</td> <td>SG(0V)</td> </tr> <tr> <td>6</td> <td>FG</td> </tr> </tbody> </table> <p>Model CP2E-N[] There are no built-in RS232C port. To connect HMI etc. Could you use Ethernet connection or RS232C option board (ModelCP1W-CIF01). Pin.No of ModelCP1W-CIF01 is same as D-sub connector of CP1E-N[]D[]-[].</p>	Terminal block	Pin No.	Signal name		1	SD(TXD)	2	RD(RXD)	3	RS(RTS)	4	CS(CTS)	5	SG(0V)	6	FG
D-sub connector			Pin No.	Signal name																																																		
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<p>Transistor output</p> <p>Model CP1E-N[]S[]-[]</p> <table border="1" data-bbox="129 1211 687 1514"> <thead> <tr> <th>Sinking</th> <th>Sourcing</th> </tr> </thead> <tbody> <tr> <td>  </td> <td>  </td> </tr> </tbody> </table> <p>Model CP1E-N[]D[]-[]</p> <table border="1" data-bbox="129 1570 687 1839"> <thead> <tr> <th>Sinking</th> <th>Sourcing</th> </tr> </thead> <tbody> <tr> <td>  </td> <td>  </td> </tr> </tbody> </table> <p>Model CP1E-E[] No transistor output type</p>	Sinking	Sourcing			Sinking	Sourcing			<p>Transistor output Depending on the model used for replacement, some wiring may need to be changed. From Model CP1E-N[]D[]-[] to Model CP2E-S[]</p> <p>Model CP2E-S[]</p> <table border="1" data-bbox="815 1211 1369 1514"> <thead> <tr> <th>Sinking</th> <th>Sourcing</th> </tr> </thead> <tbody> <tr> <td>  </td> <td>  </td> </tr> </tbody> </table> <p>Model CP2E-N[]</p> <table border="1" data-bbox="815 1570 1369 1839"> <thead> <tr> <th>Sinking</th> <th>Sourcing</th> </tr> </thead> <tbody> <tr> <td>  </td> <td>  </td> </tr> </tbody> </table> <p>Model CP2E-E[] No transistor output type</p>	Sinking	Sourcing			Sinking	Sourcing																																							
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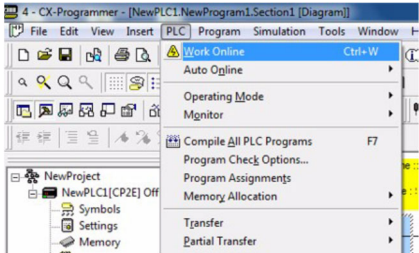
[Characteristics]

Item	Product Discontinuation Model CP1E	Recommended Replacement Model CP2E
Analog volume	CP1E-E[]SDRA: Not support CP1E-E[]DR-A: Support CP1E-N[]S[]-[]: Not support CP1E-N[]D[]-[]: Support	Not support

[Operation ratings]

Product Discontinuation Model CP1E	Recommended Replacement Model CP2E
Instruction execution times LD: 1.19 μs, MOV: 7.9 μs	Instruction execution times LD: 0.23 μs, MOV: 1.76 μs

[Operation methods]

Product Discontinuation Model CP1E	Recommended Replacement Model CP2E
CX-Programmer operation for online USB connection	<p>CX-Programmer operation for online Model CP2E-E[]/CP2E-S[]: Not change Model CP2E-N[]: An online connection between the CX-Programmer and the CP2E by Ethernet connection.</p>  <p>Refer to Section 4 Programming Device in the CP2E CPU Unit Hardware User's Manual (Cat.No. W613) for the connection method with the CP2E.</p>

[Reference]

CP1E to CP2E Replace Guide P150-E1

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.