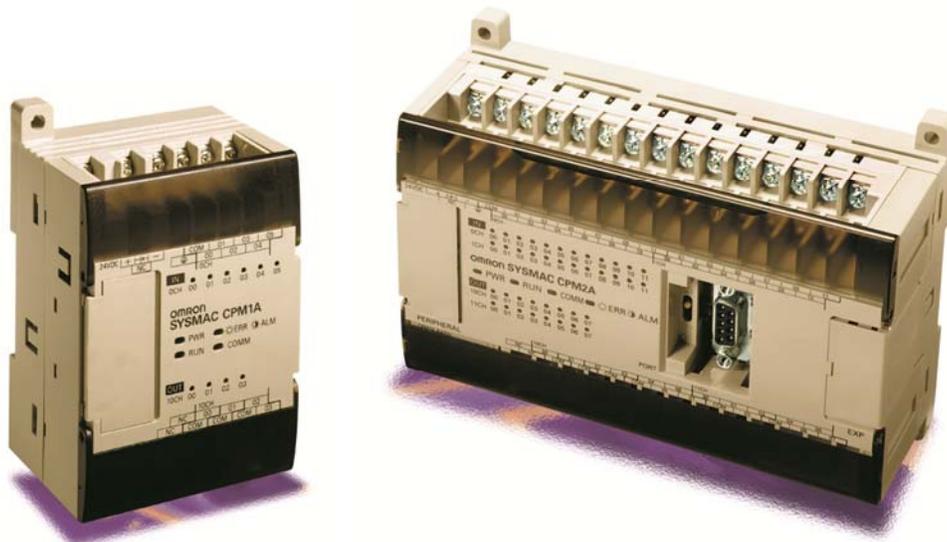


NO: PC-298
DATE: April 2015

PRODUCT: CPM1A and CPM2A Micro PLCs
TYPE: Discontinuation Notice

Discontinuation and Recommended Replacements for CPM1A and CPM2A Controllers



Effective date: March 31, 2015

CPM1A and CPM2A CPU units, expansion units and communication adapters will be discontinued. Functional replacements are available by using the CP1E CPU units, expansion units and communication adapters. Form and fit will be different between the CPM1A, CPM2A units and the CP1E units. Replacement guides are available to assist in the conversion process.

Precautions on Applying Replacements

- The dimensions, wire connections and characteristics (form and fit) are different between the CPMx (x=1or 2) units and the CP1E units.
 - The depth of dimension of the CP1E is a little larger than compared to CPM1A and CPM2A CPU unit.
 - The CPM1A and CP1W expansion units is are the same except for body color
- CX-Programmer will convert most of the CPMx programs for the CP1E but some modifications to the program will need to be made.

Product Discontinuation and Replacement Part Numbers

Recommended replacements with multiple part numbers indicates more than one part number could be a suitable replacement. See the Migration Guides for detailed replacement information.

Migration Guides

Description	Media	Publication number
CPM1A to CP1E Migration Guide	PDF	P38I-E-01
CPM2A to CP1E Migration Guide	PDF	P39I-E-01

CPM1A CPU unit

Product discontinuation	Recommended replacement
CPM1A-10CDR-A-V1	CP1E-E10DR-A
CPM1A-10CDR-D-V1	CP1E-E10DR-D
CPM1A-10CDT1-A-V1	CP1E-E10DT1-A
CPM1A-10CDT1-D-V1	CP1E-E10DT1-D
CPM1A-10CDT-A-V1	CP1E-E10DT-A
CPM1A-10CDT-D-V1	CP1E-E10DT-D
CPM1A-20CDR-A-V1	CP1E-N20DR-A
CPM1A-20CDR-D-V1	CP1E-N20DR-D
CPM1A-20CDT1-A-V1	CP1E-N20DT1-A
CPM1A-20CDT1-D-V1	CP1E-N20DT1-D
CPM1A-20CDT-A-V1	CP1E-N20DT-A
CPM1A-20CDT-D-V1	CP1E-N20DT-D
CPM1A-30CDR-A-V1	CP1E-N30DR-A CP1E-N30SDR-A
CPM1A-30CDR-D-V1	CP1E-N30DR-D
CPM1A-30CDT1-A-V1	CP1E-N30DT1-A
CPM1A-30CDT1-D-V1	CP1E-N30DT1-D CP1E-N30SDT1-D
CPM1A-30CDT-A-V1	CP1E-N30DT-A
CPM1A-30CDT-D-V1	CP1E-N30DT-D CP1E-N30SDT-D
CPM1A-40CDR-A-V1	CP1E-N40DR-A CP1E-N40SDR-A
CPM1A-40CDR-D-V1	CP1E-N40DR-D
CPM1A-40CDT1-A-V1	CP1E-N40DT1-A
CPM1A-40CDT1-D-V1	CP1E-N40DT1-D CP1E-N40SDT1-D
CPM1A-40CDT-A-V1	CP1E-N40DT-A
CPM1A-40CDT-D-V1	CP1E-N40DT-D CP1E-N40SDT-D

CPM2A CPU unit

Product discontinuation	Recommended replacement
CPM2A-20CDR-A	CP1E-N20DR-A
CPM2A-20CDR-D	CP1E-N20DR-D
CPM2A-20CDT1-D	CP1E-N20DT1-D
CPM2A-20CDT-D	CP1E-N20DT-D
CPM2A-30CDR-A	CP1E-N30DR-A CP1E-N30SDR-A CP1E-N30S1DR-A
CPM2A-30CDR-D	CP1E-N30DR-D
CPM2A-30CDT1-D	CP1E-N30DT1-D CP1E-N30SDT1-D CP1E-N30S1DT1-D
CPM2A-30CDT-D	CP1E-N30DT-D CP1E-N30SDT-D CP1E-N30S1DT-D

CPM2A CPU unit

Product discontinuation	Recommended replacement
CPM2A-40CDR-A	CP1E-N40DR-A CP1E-N40SDR-A CP1E-N40S1DR-A
CPM2A-40CDR-D	CP1E-N40DR-D
CPM2A-40CDT1-D	CP1E-N40DT1-D CP1E-N40SDT1-D CP1E-N40S1DT1-D
CPM2A-40CDT-D	CP1E-N40DT-D CP1E-N40SDT-D CP1E-N40S1DT-D
CPM2A-60CDR-A	CP1E-N60DR-A CP1E-N60SDR-A CP1E-N60S1DR-A
CPM2A-60CDR-D	CP1E-N60DR-D
CPM2A-60CDT1-D	CP1E-N60DT1-D CP1E-N60SDT1-D CP1E-N60S1DT1-D
CPM2A-60CDT-D	CP1E-N60DT-D CP1E-N60SDT-D CP1E-N60S1DT-D

CPM1A Expansion I/O unit

Product discontinuation	Recommended replacement
CPM1A-20EDR1	CP1W-20EDR1
CPM1A-20EDT	CP1W-20EDT
CPM1A-20EDT1	CP1W-20EDT1
CPM1A-40EDR	CP1W-40EDR
CPM1A-40EDT	CP1W-40EDT
CPM1A-40EDT1	CP1W-40EDT1
CPM1A-8ED	CP1W-8ED
CPM1A-8ER	CP1W-8ER
CPM1A-8ET	CP1W-8ET
CPM1A-8ET1	CP1W-8ET1

CPM1A Expansion unit

Product discontinuation	Recommended replacement
CPM1A-AD041	CP1W-AD041
CPM1A-DA041	CP1W-DA041
CPM1A-MAD01	CP1W-MAD11
CPM1A-MAD11	CP1W-MAD11
CPM1A-SRT21	CP1W-SRT21
CPM1A-TS001	CP1W-TS001
CPM1A-TS002	CP1W-TS002
CPM1A-TS101	CP1W-TS101
CPM1A-TS102	CP1W-TS102

Communication adapter

Product discontinuation	Recommended replacement
CPM1-CIF01	CP1W-CIF01
CPM1-CIF11	CP1W-CIF11

Expansion Memory Unit

Product discontinuation	Recommended replacement
CPM1-EMU01-V1	CP1W-ME05M

Competitors

Rockwell Automation Micrologix 1000-1500

Mitsubishi MELSEC-F Series

Automation Direct DirectLogic 06 (Expandable Micro Brick PLC)

Competitive Tips

Omron is very competitive on a list price basis with Rockwell MicroLogix series of PLC. Bring up pricing to price sensitive machine builders and integrators.

Bring up the fact that Rockwell will charge for technical support. Omron technical support is included in the purchase of the product.

Mitsubishi and Automaton Direct tend to offer low prices to sell their products. Emphasize Omron's fuller solution based architecture, technology leadership and quality.

With Mitsubishi, bring up their limited automation offering in the sensor, networking and software area.

With Automation Direct, bring up the limited support contact that will occur for basically a web based supplier. Support will only be over the phone and limited to product replacement.

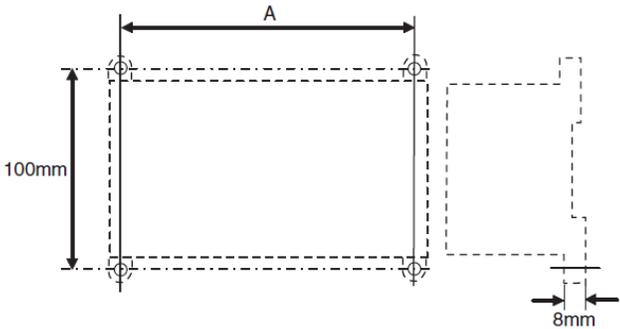
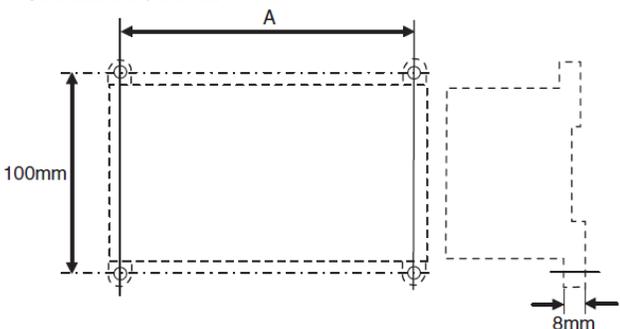
For both Mitsubishi and Automation Direct, have the customer begin to think about the future of their manufacturing facility or machine and whether they will need to network their machines or make improvements to increase speed or quality. Mitsubishi and Automation Direct will not have the breadth of product to support them or grow with them.

Detail of Differences

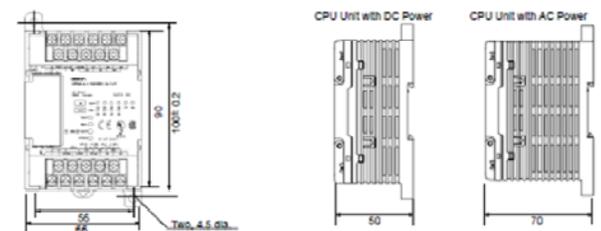
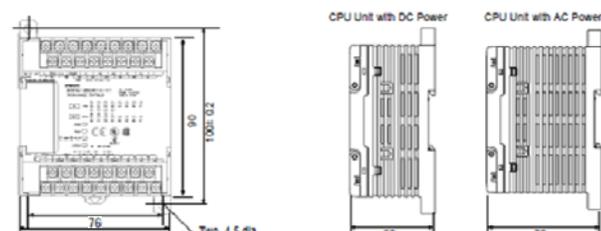
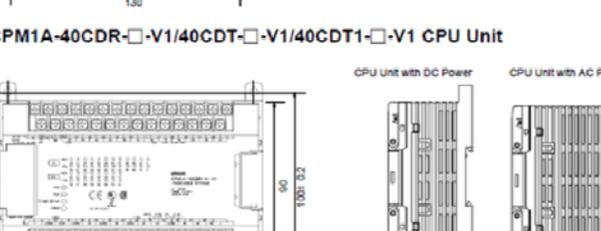
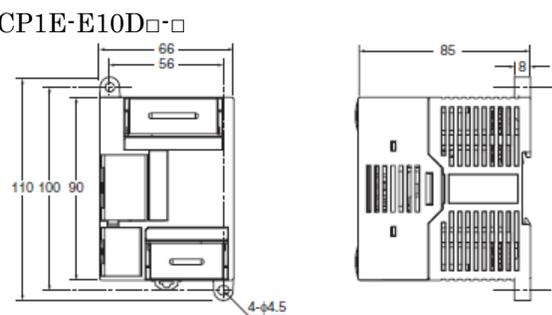
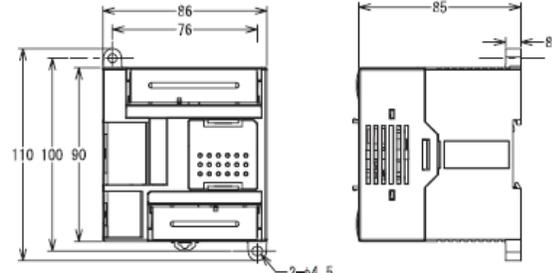
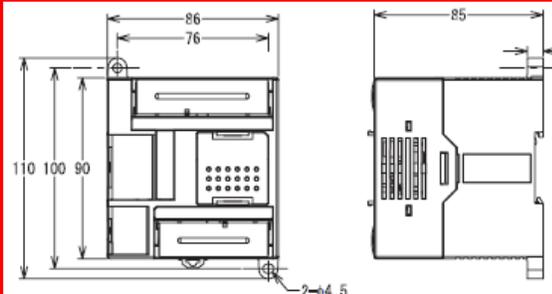
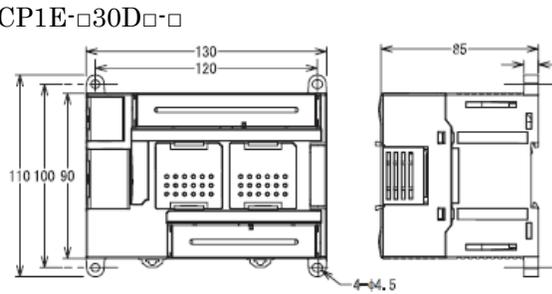
Body Color

Product discontinuation Model CPM1A, CPM2A series	Recommended replacement Model CP1E series
	

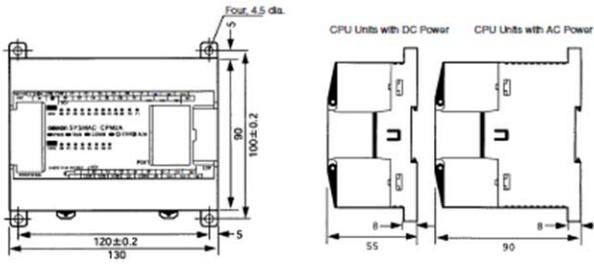
Mounting Dimensions

Product discontinuation Model CPM1A, CPM2A series		Recommended replacement Model CP1E series	
DIN Track Installation		DIN Track Installation Same as CPM1A.	
Surface Installation		Surface Installation Mounting hole pitch size is same except for CPM2A-20□□□□.	
			
Unit		Unit	Mounting hole pitch A
CPM1A CPU units	CPM1A-10□□□□	CP1E-□10□□□□	56±0.2mm
	CPM1A-20□□□□	CP1E-□20□□□□	76±0.2mm
	CPM1A-30□□□□	CP1E-□30□□□□	120±0.2mm
	CPM1A-40□□□□	CP1E-□40□□□□	140±0.2mm
CPM2A CPU Units	CPM2A-20□□□□	CP1E-□60□□□□	120±0.2mm
	CPM2A-30□□□□		120±0.2mm
	CPM2A-40□□□□		140±0.2mm
Expansion I/O units	CPM1A-8E□	CP1W-8E□	56±0.2mm
	CPM1A-20ED□	CP1W-20ED□	76±0.2mm
	CPM1A-40ED□	CP1W-40ED□	140±0.2mm
Expansion units	CPM1A-MAD01	CP1W-MAD11	76±0.2mm
	CPM1A-MAD11	CP1W-AD041	
	CPM1A-AD041	CP1W-DA041	
	CPM1A-TS□□	CP1W-TS□□	
	CPM1A-SRT21	CP1W-SRT21	56±0.2mm

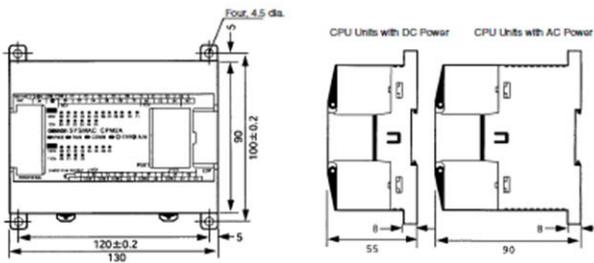
Physical Dimensions

<p align="center">Product discontinuation Model CPM1A, CPM2A series</p>	<p align="center">Recommended replacement Model CP1E series</p>
<p>CPM1A CPU units CPM1A-10CDR-□-V1/10CDT-□-V1/10CDT1-□-V1 CPU Unit</p>  <p>CPM1A-20CDR-□-V1/20CDT-□-V1/20CDT1-□-V1 CPU Unit</p>  <p>CPM1A-30CDR-□-V1/30CDT-□-V1/30CDT1-□-V1 CPU Unit</p>  <p>CPM1A-40CDR-□-V1/40CDT-□-V1/40CDT1-□-V1 CPU Unit</p> 	<ul style="list-style-type: none"> ● The height and width of CP1E CPU units is same as CPM1A and CPM2A CPU unit ● The depth of CP1E CPU units is larger than CPM1A and CPM2A CPU units. ● All dimensions of the CP1W expansion (I/O) units are same as CPM1A expansion (I/O) units <p>CP1E-E10D-□-□</p>  <p>CP1E-□20D-□-□</p>  <p>CP1E-E20SD-□-□</p>  <p>CP1E-□30D-□-□</p> 

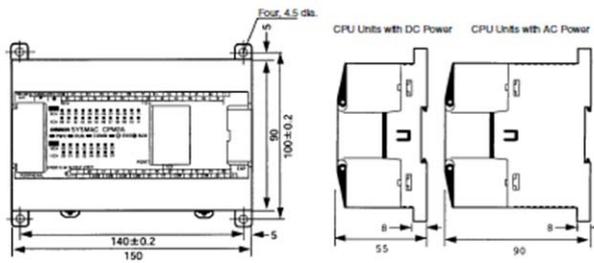
CPM2A CPU units
CPM2A-20CD□-□ CPU Units



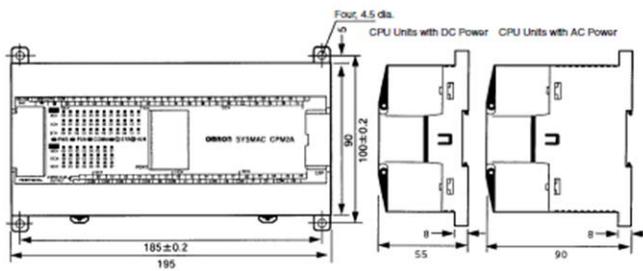
CPM2A-30CD□-□ CPU Units



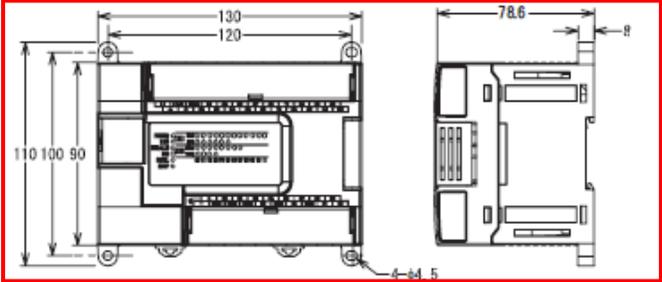
CPM2A-40CD□-□ CPU Units



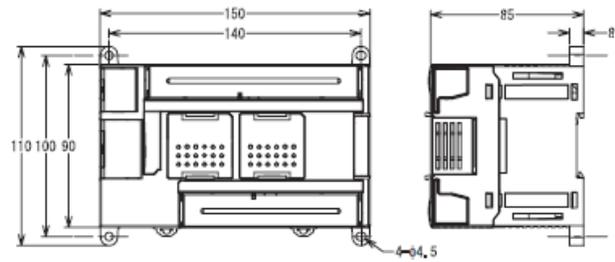
CPM2A-60CD□-□ CPU Units



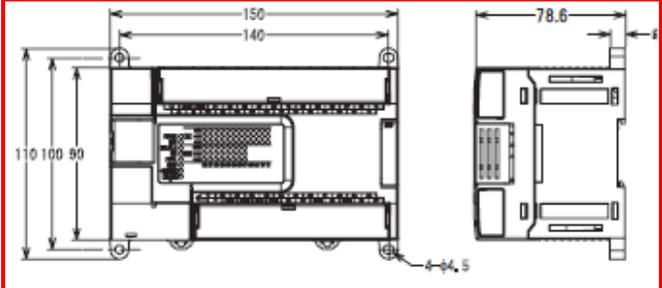
CP1E-□30S(1)D□-□



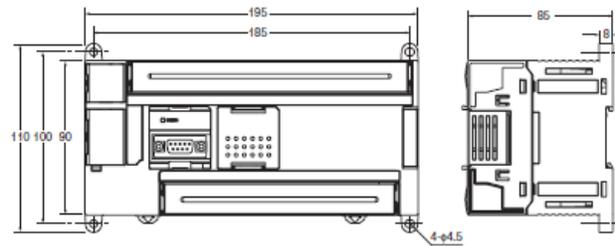
CP1E-□40D□-□



CP1E-□40S(1)D□-□



CP1E-□60D□-□



CP1E-□60S(1)D□-□

