



NO: PC-273 **PRODUCT:** C200H-DA002 Analog Output
DATE: July 2013 **TYPE:** Discontinuation Notice

C200H-DA002 Analog Output Unit will be Discontinued
 December 1, 2013; Use CS1W-DA41 or CJ1W-DA041

Product Discontinuation

Analog unit

C200H-DA002



Recommended Replacement

Analog Output Units

CJ1W-DA041

CS1W-DA041

Effective date: December 1, 2013

Reason for discontinuation: The C200H-DA002 Analog Unit with 4 outputs has experienced low sales since the C200H platform was replaced by the newer CJ platform PLCs. While the discontinued unit could be used with CS platform PLCs, it offered lower resolution and slower conversion time than the “native” CS1W analog units.

Caution of Applying Recommended Replacement

- If the customer is using C200H-DA002 installed on CS1 PLC backplane, replacing by CS1W-DA041 does not require the complete system to be changed.
- If the customer is using C200H-DA002 installed on C200H PLC backplane, it's necessary to replace by CJ or CS PLC system.
- Specifications vary for replacement, please refer to the operation manual.

Affected Parts

Product Discontinuation	Recommended Replacement
C200H-DA002	CJ1W-DA041
	CS1W-DA041

See the following pages for a detailed comparison.

Specifications

Item		Product Discontinuation Model C200H-DA002	Recommended Replacement		
			CJ1W-DA041	CS1W-DA041	
Number of analog outputs		4	4	4	
Resolution		Voltage outputs 8190 Current outputs 4095	4000 (note1)	4000 (note1)	
Conversion time		2.5ms max. /point	1ms max. /point	1ms max. /point	
Output signal range		±10V 4 ~ 20mA	0 ~ 5V 0 ~ 10V ±10V 1 ~ 5V / 4 ~ 20mA	0 ~ 5V 0 ~ 10V ±10V 1 ~ 5V / 4 ~ 20mA	
Max. Output impedance		Voltage output 0.5Ω	Voltage output 0.5Ω	Voltage output 0.5Ω	
Max. Output current		Voltage output 10mA	Voltage output 12mA	Voltage output 12mA	
Max. load resistance		Current output 350Ω	Current output 600Ω	Current output 600Ω	
Accuracy	Voltage Output	25°C	±0.3% max. FS	±0.3% max. FS	±0.3% max. FS
		0°C to 55°C	±0.5% max. FS	±0.5% max. FS	±0.5% max. FS
	Current Output	25°C	±0.5% max. FS	±0.5% max. FS	±0.5% max. FS
		0°C to 55°C	±1.0% max. FS	±0.8% max. FS	±0.8% max. FS
Number of Reserved Channels		10CH	10CH (note2)	10CH (note2)	
External connectors		19-point detachable terminal block	18-point detachable terminal block (note3)	21-point detachable terminal block (note3)	
Function					
Output hold function		None	Support	Support	

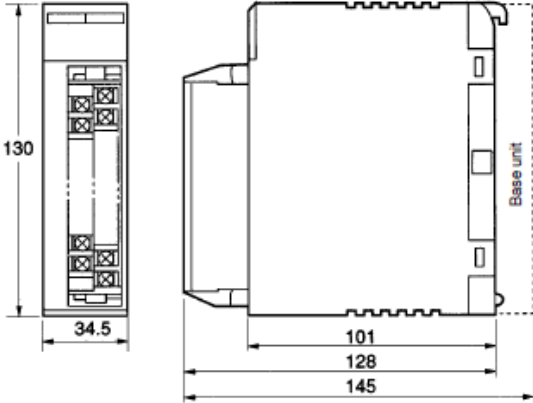
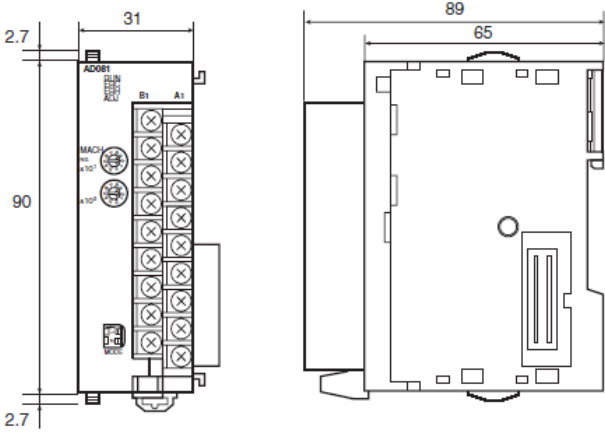
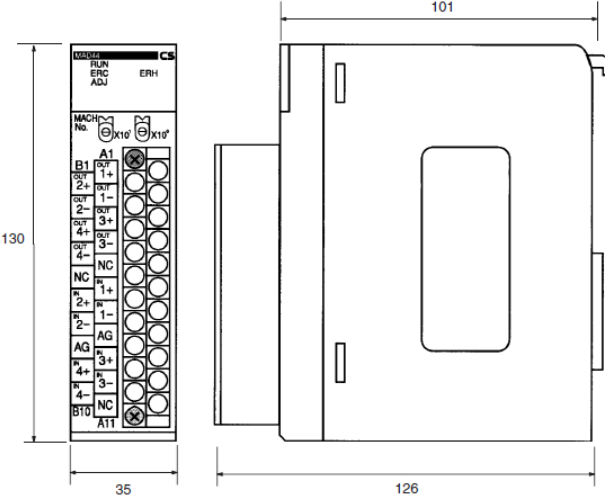
Note 1: Difference of Digital Output values is as follows.

Output Signal Range	C200H-DA002	CS/CJ1W-DA041
-10.0 to 10.0V	8FFF to 0FFF	F830 to 07D0
1 to 5V, 4 to 20mA	0000 to 0FFF	0000 to 0FA0

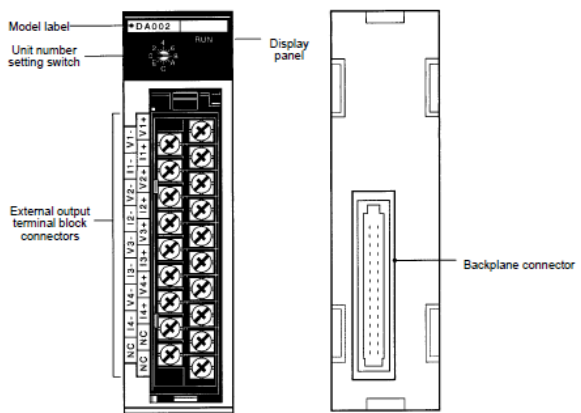
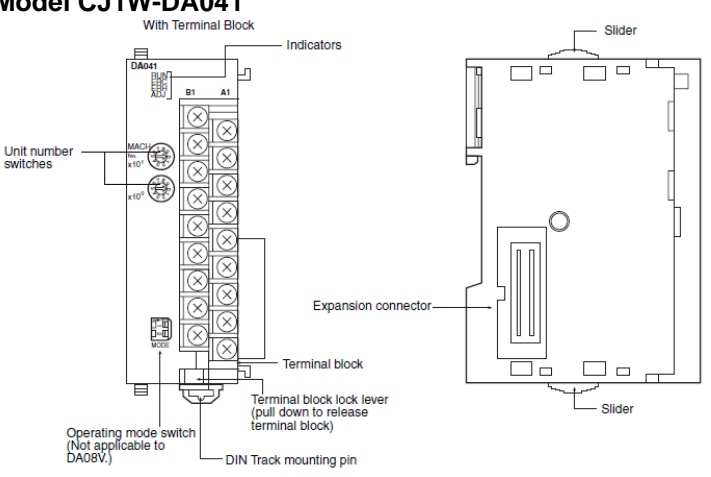
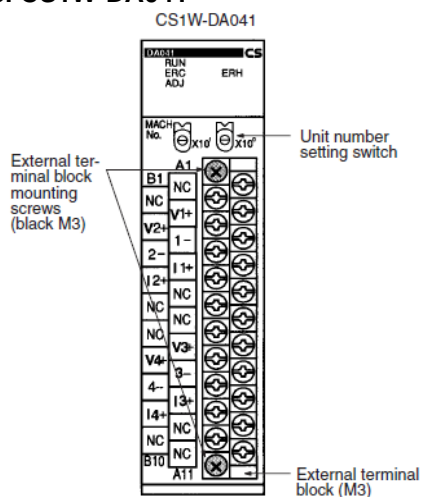
2: Exchanging Date allocation is different between C200H-DA002 and CS/CJ1W-DA041.
Please refer to each operation manuals for details.

3: It is necessary to rewire terminal block when replacing.

Dimensions

Product Discontinuation Model C200H-DA002	Recommended Replacement
<p>Dimensions</p>  <p>Dimensions for Model C200H-DA002:</p> <ul style="list-style-type: none"> Height: 130 Width: 34.5 Base unit width: 101 Base unit height: 128 Total width: 145 	<p>Dimensions</p> <p>Model CJ1W-DA041</p>  <p>Dimensions for Model CJ1W-DA041:</p> <ul style="list-style-type: none"> Height: 90 Width: 31 Base unit width: 89 Base unit height: 65 <p>Model CS1W-DA041</p>  <p>Dimensions for Model CS1W-DA041:</p> <ul style="list-style-type: none"> Height: 130 Width: 35 Base unit width: 101 Base unit height: 126

Operation Methods

Product Discontinuation Model C200H-DA002	Recommended Replacement
<p>Component Names</p>  <p>Model label</p> <p>Unit number setting switch</p> <p>Display panel</p> <p>External output terminal block connectors</p> <p>Backplane connector</p>	<p>Component Names</p> <p>Model CJ1W-DA041</p>  <p>With Terminal Block</p> <p>Indicators</p> <p>Unit number switches</p> <p>Expansion connector</p> <p>Terminal block</p> <p>Terminal block lock lever (pull down to release terminal block)</p> <p>DIN Track mounting pin</p> <p>Operating mode switch (Not applicable to DA08V)</p> <p>Slider</p> <p>Model CS1W-DA041</p>  <p>External terminal block mounting screws (black M3)</p> <p>Unit number setting switch</p> <p>External terminal block (M3)</p>

Reference Documentation

Description	Media	Publication number
C200H-AD002/DA002 Analog I/O Units Operation Manual	PDF	W229-E1-3
Sysmac CS/CJ Series Analog I/O Units Operation Manual, CJ1W-AD, CJ1W-DA, CJ1W-MAD	PDF	W345-E1-12