

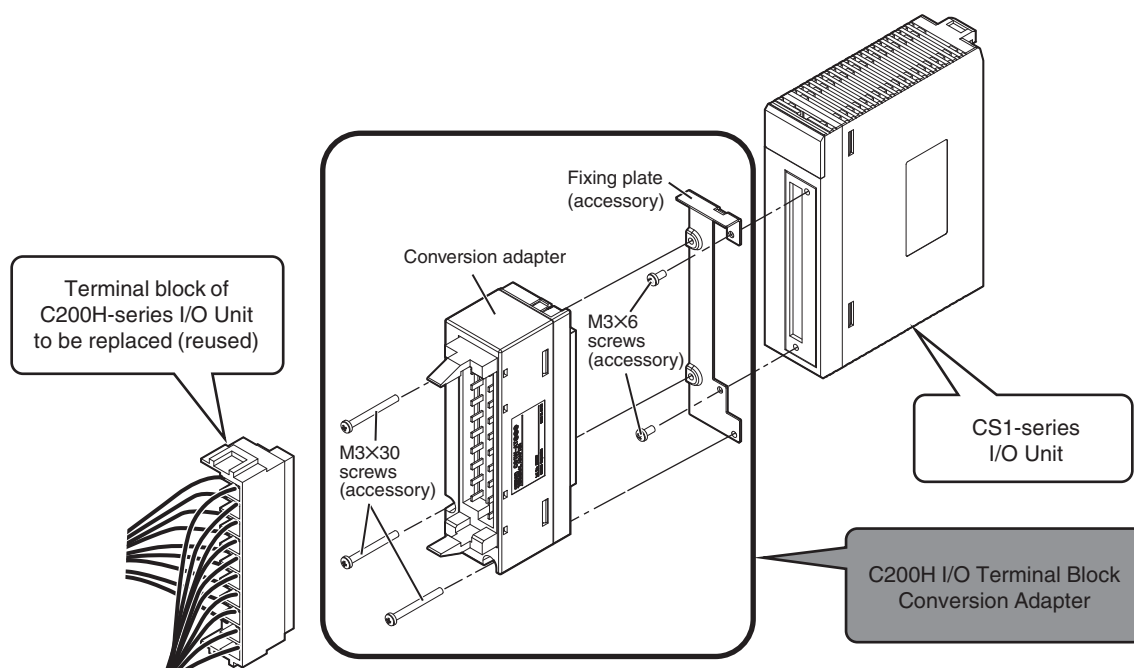
Easy and secure replacement by reusing the I/O terminal block wiring

- The C200H I/O Terminal Block Conversion Adapter is a terminal block conversion adapter to reuse the terminal block wiring of the existing C200H I/O Units as is when replacing C200H Series with CS Series.
- If you use this terminal block conversion adapter, you don't need to redo the I/O wiring, by which you can reduce the time for wiring works, wiring check, and test run.




Features

- The terminal blocks of existing C200H I/O Units can be reused.
- The C200H terminal blocks can be directly mounted onto CS-series I/O Units.



Ordering Information

Terminal Block Conversion Adapter

Product name	Specifications	Model	Standards
 C200H I/O Terminal Block Conversion Adapter	8-points, 10-pin type	CS1W-AT201	---
	8-points, 19-pin type	CS1W-AT202	---
	16-points, 19-pin type	CS1W-AT211	---
	16-points, 19-pin type (for C200H-OD21A)	CS1W-AT212	---

Connection of I/O Units and Terminal Block Conversion Adapter

C200H I/O Terminal Conversion Adapter Model	Replaced from: C200H-series I/O Units			Replaced to: CS-series I/O Units		
	Product name	Specifications	Model	Product name	Specifications	Model
CS1W-AT201	DC Input Unit	12 to 24 VDC, 8 inputs	C200H-ID211	DC Input Unit	7 mA at 24 VDC, 16 inputs	CS1W-ID211
	AC Input Unit	100 to 120 VAC, 8 inputs	C200H-IA121	AC Input Unit	100 to 120 VAC, 100 to 120 VDC, 16 inputs	CS1W-IA111
		200 to 240 VAC, 8 inputs	C200H-IA221		200 to 240 VAC, 16 inputs	CS1W-IA211
	AC/DC Input Unit	12 to 24 VAC/VDC, 8 inputs	C200H-IM211	DC Input Unit	7 mA at 24 VDC, 16 inputs	CS1W-ID211 *1
		Non-voltage contacts, 8 inputs, NPN	C200H-ID001			CS1W-ID211 *2
		Non-voltage contacts, 8 inputs, PNP	C200H-ID002			CS1W-ID211 *2
	Interrupt Input Unit	12 to 24 VDC, 8 inputs	C200HS-INT01	Interrupt Input Unit	7 mA at 24 VDC, 16 inputs	CS1W-INT01 *3
	Triac Output Unit	1.2 A at 250 VAC max., 8 outputs	C200H-OA223	Triac Output Unit	0.5 A at 250 VAC max., 16 outputs	CS1W-OA211 *4
		1 A at 120 VAC max., 8 outputs	C200H-OA121-E		0.5 A at 250 VAC max., 16 outputs	CS1W-OA211
		1 A at 250 VAC max., 8 outputs	C200H-OA221			CS1W-OA211 *4
	Relay Output Unit	2 A at 250 VAC/24 VDC max., 8 outputs	C200H-OC221	Relay Output Unit	2 A at 250 VAC/24 VDC max., 0.1 A at 120 VDC, 16 outputs	CS1W-OC211
		2 A at 250 VAC/24 VDC max., independent contacts, 5 outputs	C200H-OC223		2 A at 250 VAC/24 VDC max., 0.1 A at 120 VDC, independent contacts, 8 outputs	CS1W-OC201
	Transistor Output Unit	1 A at 12 to 48 VDC, 8 outputs, sinking	C200H-OD411	Transistor Output Unit	0.5 A at 12 to 24 VDC, 16 outputs	CS1W-OD211 *4 *5
		2.1 A at 24 VDC, 8 outputs, sinking	C200H-OD213			CS1W-OD211 *4
		0.8 A at 24 VDC, 8 outputs, sourcing	C200H-OD214		0.5 A at 24 VDC, 16 outputs	CS1W-OD212 *6
		0.3 A at 5 to 24 VDC, 8 outputs, sourcing	C200H-OD216			CS1W-OD212
CS1W-AT211	DC Input Unit	24 VDC, 16 inputs	C200H-ID212	DC Input Unit	7 mA at 24 VDC, 16 inputs	CS1W-ID211
	AC Input Unit	100 to 120 VAC, 16 inputs	C200H-IA122	AC Input Unit	100 to 120 VAC, 100 to 120 VDC, 16 inputs	CS1W-IA111
		100 to 120 VAC, 16 inputs	C200H-IA122V			CS1W-IA111
		200 to 240 VAC, 16 inputs	C200H-IA222		200 to 240 VAC, 16 inputs	CS1W-IA211
		200 to 240 VAC, 16 inputs	C200H-IA222V			CS1W-IA211
	AC/DC Input Unit	24 VAC/VDC, 16 inputs	C200H-IM212	DC Input Unit	7 mA at 24 VDC, 16 inputs	CS1W-ID211 *1
	Relay Output Unit	2 A at 250 VAC/24 VDC max., 16 outputs	C200H-OC226	Relay Output Unit	2 A at 250 VAC/24 VDC max., 0.1 A at 120 VDC, 16 outputs	CS1W-OC211
		2 A at 250 VAC/24 VDC max., 16 outputs	C200H-OC226N			CS1W-OC211
		2 A at 250 VAC/24 VDC max., 12 outputs	C200H-OC222			CS1W-OC211
		2 A at 250 VAC/24 VDC max., 12 outputs	C200H-OC222V			CS1W-OC211
		2 A at 250 VAC/24 VDC max., 12 outputs	C200H-OC222N			CS1W-OC211
		2 A at 250 VAC/24 VDC max., 16 outputs	C200H-OC225			CS1W-OC211
	Transistor Output Unit	0.3 A at 24 VDC, 12 outputs, sinking	C200H-OD211	Transistor Output Unit	0.5 A at 12 to 24 VDC, 16 outputs	CS1W-OD211
		0.3 A at 24 VDC, 16 outputs, sinking	C200H-OD212			CS1W-OD211
		0.3 A at 5 to 24 VDC, 12 outputs, sourcing	C200H-OD217		0.5 A at 24 VDC, 16 outputs	CS1W-OD212
	Triac Output Unit	0.8 A at 250 VAC max, 16 outputs	C200H-OA225	Triac Output Unit	0.5 A at 250 VAC max., 16 outputs	CS1W-OA211
		0.3 A at 250 VAC max, 12 outputs	C200H-OA222			CS1W-OA211
		0.3 A at 250 VAC max, 12 outputs	C200H-OA222V			CS1W-OA211
		0.5 A at 250 VAC max, 12 outputs	C200H-OA224			CS1W-OA211
CS1W-AT202	Relay Output Unit	2 A at 250 VAC/24 VDC max., independent contacts, 8 outputs	C200H-OC224	Relay Output Unit	2 A at 250 VAC/24 VDC max., 0.1 A at 120 VDC, independent contacts, 8 outputs	CS1W-OC201
		2 A at 250 VAC/24 VDC max., independent contacts, 8 outputs	C200H-OC224V			CS1W-OC201
		2 A at 250 VAC/24 VDC max., independent contacts, 8 outputs	C200H-OC224N			CS1W-OC201
CS1W-AT212	Transistor Output Unit	1 A at 24 VDC, 16 outputs, sourcing, load short-circuit protection	C200H-OD21A	Transistor Output Unit	0.5 A at 24 VDC, 16 outputs	CS1W-OD212 *7

*1. 24 VDC only

*2. Need to add 24 VDC power supply.

*3. There is a restriction to the number of mountable units.

*4. The blown fuse detection bit (Bit 08) cannot be used.

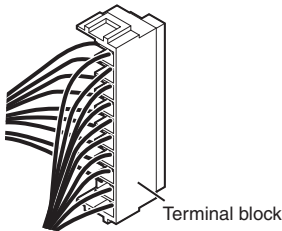
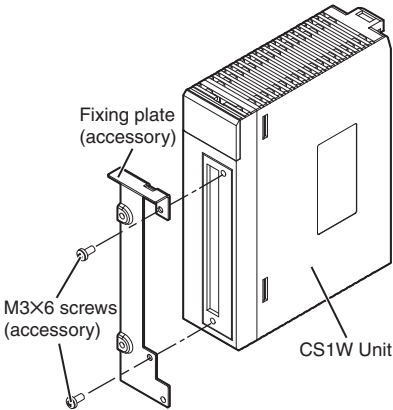
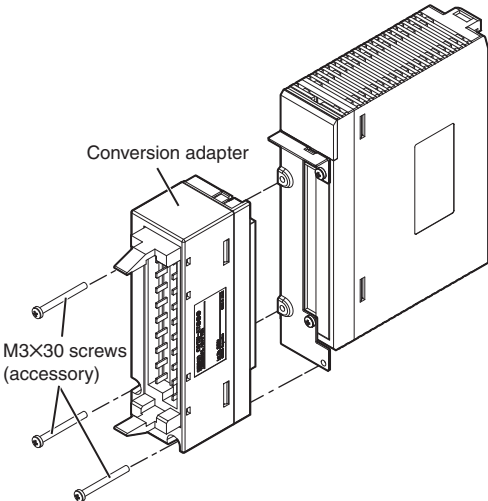
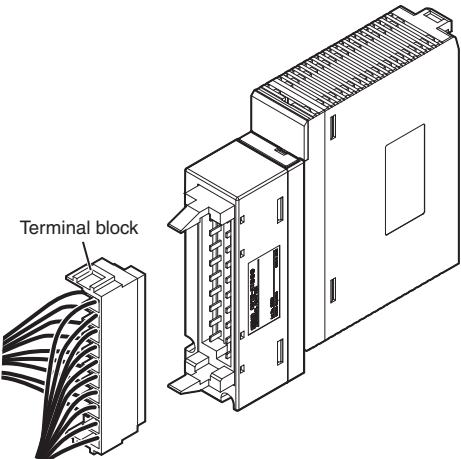
Note: Including models whose production are discontinued.

*5. 12 to 24 VDC only

*6. The alarm bits (Bit 08, 09, 10, and 11) cannot be used.

*7. The alarm outputs cannot be used.

Installation Procedure of Terminal Block Conversion Adapter

Step	Procedure	Drawing
1	Remove the terminal block from the C200H-series I/O Unit.	 Terminal block
2	Attach the fixing plate to the CS-series I/O Unit and fix it with the M3X6 screws. The tightening torque is 0.5 to 0.67 N·m.	 Fixing plate (accessory) M3X6 screws (accessory) CS1W Unit
3	Attach the conversion adapter to the fixing plate and fix it with the M3x30 screws. The tightening torque is 0.4 to 0.48 N·m. If the tightening torque is too much, the product and screws may be damaged.	 Conversion adapter M3X30 screws (accessory)
4	Attach the terminal block removed in Step 1 to the conversion adapter.	 Terminal block

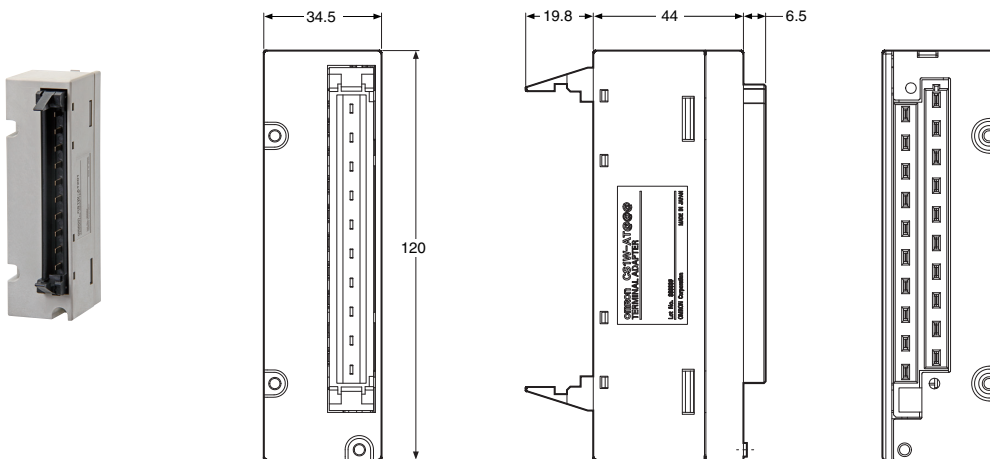
Note: When you reuse a terminal block with wiring, confirm that there is no problem in the terminal block and wiring conditions.

- The screws are securely tightened.
- The cables are not damaged.
- There is no rust or corrosion.
- The terminal block is not damaged. (The terminal block is securely inserted and fixed.)

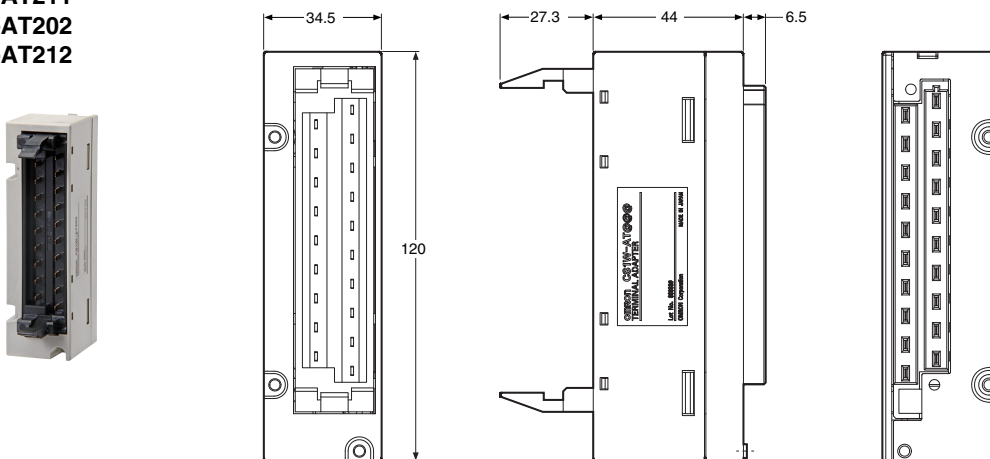
Dimensions

(Unit:mm)

CS1W-AT201



CS1W-AT211 CS1W-AT202 CS1W-AT212



Dimensional Difference List

Replaced to: CS-series I/O Units + Conversion adapter	Replaced from: C200H-series I/O Units
<p>CS1W-AT201</p> <p>Front view dimensions: 142.2 (total height), 120 (mounting hole spacing), 34.5 (width).</p> <p>Side view dimensions: 164.3 (total depth), 144.5 (main body depth), 100.5 (terminal block depth), 130 (height to top of terminal block), 12.2 (bottom flange thickness).</p> <p>Top view dimensions: 100.5 (width), 130 (height).</p>	<p>Front view dimensions: 34.5 (width), 130 (height).</p> <p>Side view dimensions: 100.5 (width), 73.5 (depth), 130 (height).</p> <p>Top view dimensions: 100.5 (width), 130 (height).</p>
<p>CS1W-AT211/CS1W-AT202/CS1W-AT212</p> <p>Front view dimensions: 142.2 (total height), 120 (mounting hole spacing), 34.5 (width).</p> <p>Side view dimensions: 171.8 (total depth), 144.5 (main body depth), 100.5 (terminal block depth), 130 (height to top of terminal block), 12.2 (bottom flange thickness).</p> <p>Top view dimensions: 100.5 (width), 130 (height).</p>	<p>Front view dimensions: 34.5 (width), 130 (height).</p> <p>Side view dimensions: 127.5 (width), 100.5 (depth), 130 (height).</p> <p>Top view dimensions: 100.5 (width), 130 (height).</p>

Pin Assignment

Terminal Block Conversion Adapter	Pin assignment and internal wiring	Terminal Block Conversion Adapter	Pin assignment and internal wiring
CS1W-AT201		CS1W-AT202	
CS1W-AT211		CS1W-AT212	

Related Manuals

The following manuals are related to the C200H Terminal Block Conversion Adapter. Use there manuals for reference.

Cat. No.	Manual name	Description
P069-E1	C200H Replacement Guide From C200H to CS1	Refer to this guide when replacing C200H with CS1.
P070-E1	C200HS Replacement Guide From C200HS to CS1	Refer to this guide when replacing C200HS with CS1.
P071-E1	C200HX/HG/HE Replacement Guide From C200HX/HG/HE to CS1	Refer to this guide when replacing C200HX/HG/HE with CS1.

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