

I/O Wiring Diagrams

<p>CP1W-40EDR/40EDT/40EDT1 24-V DC Input (24 Points) Upper Terminal Block</p>	<p>CP1W-40EDT Transistor (NPN) Output (16 Points) Lower Terminal Block</p>	<p>CP1W-32ER Relay Output (32 Points) Upper Terminal Block</p>	<p>CP1W-32ET Transistor (NPN) Output (32 Points) Upper Terminal Block</p>		
<p>CP1W-40EDR Relay Output (16 Points) Lower Terminal Block</p>	<p>CP1W-40EDT1 Transistor (PNP) Output (16 Points) Lower Terminal Block</p>	<p>CP1W-32ER Relay Output (32 Points) Lower Terminal Block</p>	<p>CP1W-32ET Transistor (NPN) Output (32 Points) Lower Terminal Block</p>		
<p>CP1W-32ET1 Transistor (PNP) Output (32 Points) Upper Terminal Block</p>	<p>CP1W-20EDR1/20EDT/20EDT1 24-V DC Input (12 Points) Upper Terminal Block</p>	<p>CP1W-20EDT Transistor (NPN) Output (8 Points) Lower Terminal Block</p>	<p>CP1W-16ER Relay Output (16 Points) Upper Terminal Block</p>		
<p>CP1W-32ET1 Transistor (PNP) Output (32 Points) Lower Terminal Block</p>	<p>CP1W-20EDR1 Relay Output (8 Points) Lower Terminal Block</p>	<p>CP1W-20EDT1 Transistor (PNP) Output (8 Points) Lower Terminal Block</p>	<p>CP1W-16ER Relay Output (16 Points) Lower Terminal Block</p>		
<p>CP1W-16ET Transistor (NPN) Output (16 Points) Upper Terminal Block</p>	<p>CP1W-16ET1 Transistor (PNP) Output (16 Points) Upper Terminal Block</p>	<p>CP1W-8ED 24-V DC Input (8 Points) Upper Terminal Block</p>	<p>CP1W-8ER Relay Output (8 Points) Upper Terminal Block</p>	<p>CP1W-8ET Transistor (NPN) Output (8 Points) Upper Terminal Block</p>	<p>CP1W-8ET1 Transistor (PNP) Output (8 Points) Upper Terminal Block</p>
<p>Lower Terminal Block</p>	<p>Lower Terminal Block</p>	<p>Lower Terminal Block</p>	<p>Lower Terminal Block</p>	<p>Lower Terminal Block</p>	<p>Lower Terminal Block</p>

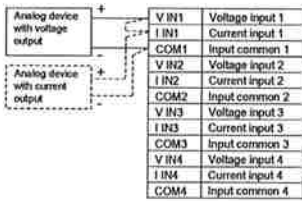
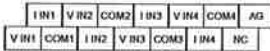
The Unit's upper terminal block COM and lower terminal block COM are connected internally, but connect them externally as well.

"m" and "n": "m" is the last input word and "n" is the last output word allocated to the CPU Unit, Expansion I/O Unit, or Expansion Unit on the left of the Unit being described.

I/O Wiring Diagram

CP1W-AD041
Analog Input Unit (4 Points)

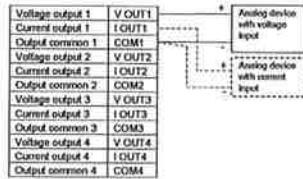
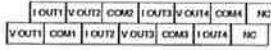
Input Terminal Arrangement



Note 1
Wiring for other inputs is the same as that for input 1.
Note 2
When using current inputs, voltage input terminals must be short-circuited with current input terminals.

CP1W-DA041
Analog Output Unit (4 Points)

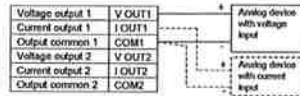
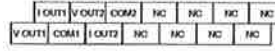
Output Terminal Arrangement



Note
Wiring for other outputs is the same as that for output 1.

CP1W-DA021
Analog Output Unit (2 Points)

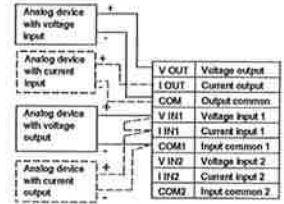
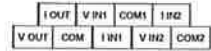
Output Terminal Arrangement



Note
Wiring for other outputs is the same as that for output 1.

CP1W-MAD11
Analog Input (2 Points)/
Analog Output (1 Point)

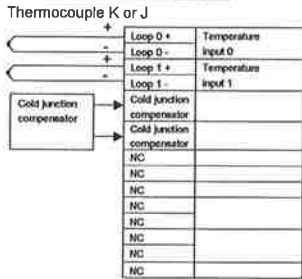
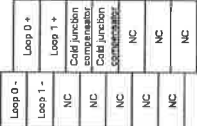
Terminal Arrangement



Note 1
Wiring for input 2 is the same as that for input 1.
Note 2
When using current inputs, voltage input terminals must be short-circuited with current input terminals.

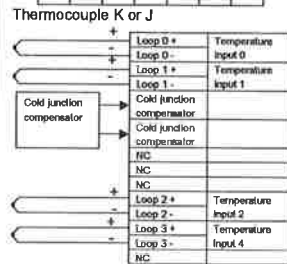
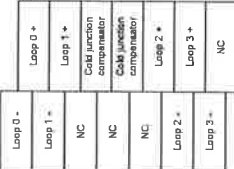
CP1W-TS001
Temperature Sensor Unit
Thermocouples (2 Points)

Input Terminal Arrangement



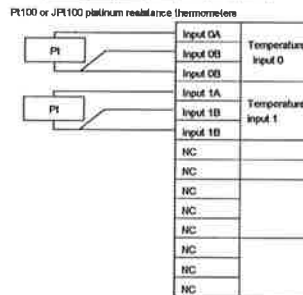
CP1W-TS002
Temperature Sensor Unit
Thermocouples (4 Points)

Input Terminal Arrangement



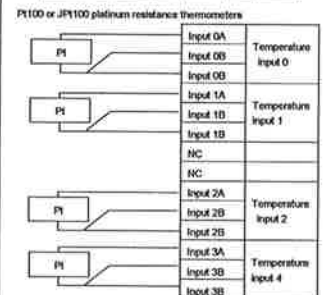
CP1W-TS101
Temperature Sensor Unit
Platinum resistance thermometer
(2 Points)

Input Terminal Arrangement

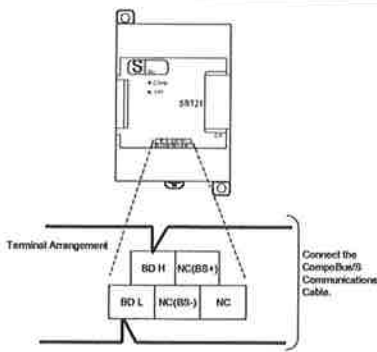


CP1W-TS102
Temperature Sensor Unit
Platinum resistance thermometer
(4 Points)

Input Terminal Arrangement



CP1W-SRT21
CompoBus/S I/O Link Unit



Precautions for Compliance with UL Standards and CSA Standards

Notice to Users of the SYSMAC CP1 I/O Units in the USA and Canada

Please observe the following installation information instead of the general information in the instruction manuals in order to use the product under the certified conditions of UL and CSA when the products are installed in the USA and Canada. These conditions are according to the National Electrical Code in the USA and the Canadian Electrical Code and may vary from information given in the product manuals or safety precautions.

- I/O Wiring
 - Do not use crimp terminal for I/O wiring. Tighten the screw directly on the solid wire.
 - Do not insert more than one wire in one terminal.
 - Tightening torque: 4.4 Lb In. (0.5 N m)
 - Wire range: AWG 26 to 18 (Solid wire only)
- Surrounding Air Temperature
 - Rated temperature: 55°C