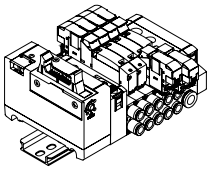
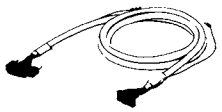
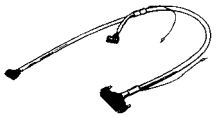
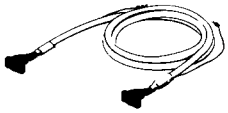
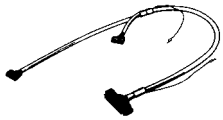
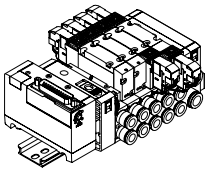
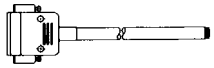
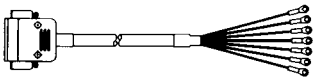
Example of wiring connection (recommended combination) ● Use with the combination below.

Wiring method	Example of connection cable	PC and PC-related products		
		Manufacturer	PC	Connection cable
Flat cable connector (T50/T50R) (T51/T51R) 		OMRON Corporation	Type C200H-OD215 Type C500-OD415CN	Type G79-□C
			Type C500-OD213	Type 79-0□DC-□
		Panasonic Electric Works Co., Ltd.	AFP33484	AY15133 to 7
			AFP53487	AY15223 to 7
D sub-connector (T30/T30R) 				Cable with D sub-connector (For cable model No. and details, refer to page 721.)
				

*: Set the power supply voltage for valve activation with attention to voltage drop of the PLC and the flat cable.

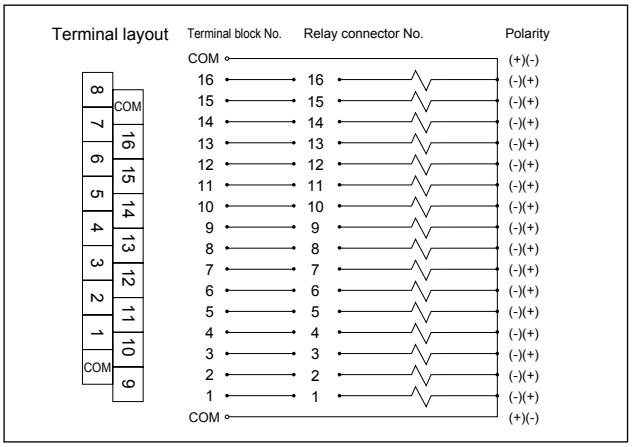
Common terminal box (wiring method T10)

Notes on wiring

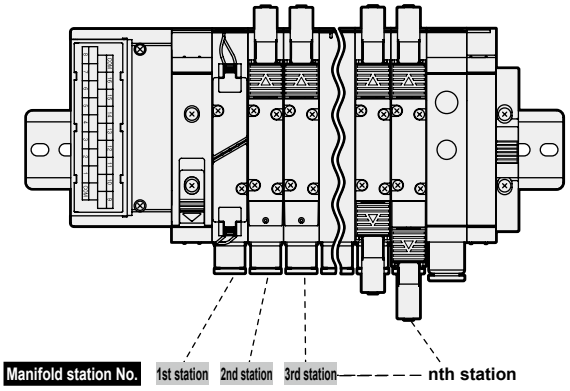
[Precautions for common terminal box (T10)]

(1) With the common terminal box, the common wiring is internal processed beforehand.
When using the independent contact PLC output unit, wire the common wires at the contact section.
(2) Check the correspondence of the number of stations with solenoid positions to prevent incorrect wiring.
(Refer to the table below.)
(3) Note that the correspondence will not function if the number of solenoid stations exceeds 16.
(4) The manifold station numbers are set in order from left with the piping port facing forward.
(5) A voltage drop may occur due to simultaneous energizing or cable length. Confirm that the voltage drop for the solenoid is within 10% of the rated voltage.

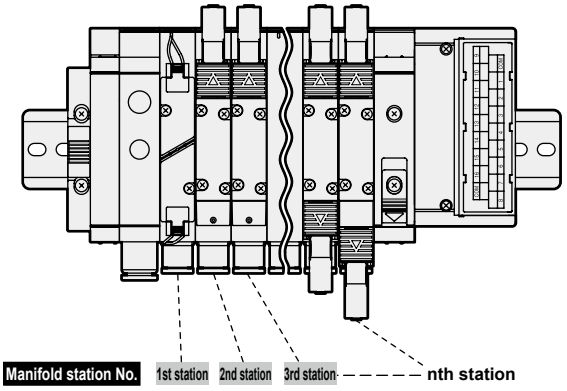
Internal wiring of wiring method T10 (up to 16 solenoid stations)



T10 (left side specifications)



T10R (right side specifications)



Terminal array of wiring method T10 (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters “a” and “b” indicate the “a side” solenoid and “b side” solenoid, respectively.
The manifold’s max. station number differs depending on the model.
Check the specifications of each model.

Terminal No.

COM	16	15	14	13	12	11	10	9
8	7	6	5	4	3	2	1	COM

[Standard wiring]

● For single solenoid valve

Terminal block No.	16	15	14	13	12	11	10	9
Valve No.	16a	15a	14a	13a	12a	11a	10a	9a
Terminal block No.	8	7	6	5	4	3	2	1
Valve No.	8a	7a	6a	5a	4a	3a	2a	1a

● For double solenoid valve

Terminal block No.	16	15	14	13	12	11	10	9
Valve No.	8b	8a	7b	7a	6b	6a	5b	5a
Terminal block No.	8	7	6	5	4	3	2	1
Valve No.	4b	4a	3b	3a	2b	2a	1b	1a

● For mixed use (single/double mixture)

Terminal block No.	16	15	14	13	12	11	10	9
Valve No.	11b	11a	10a	9a	8a	7b	7a	6a
Terminal block No.	8	7	6	5	4	3	2	1
Valve No.	5b	5a	4b	4a	3b	3a	2a	1a

[Double wiring]

Terminal block No.	16	15	14	13	12	11	10	9
Valve No.	(Blank)	8a	(Blank)	7a	(Blank)	6a	(Blank)	5a
Terminal block No.	8	7	6	5	4	3	2	1
Valve No.	(Blank)	4a	(Blank)	3a	(Blank)	2a	(Blank)	1a

Terminal block No.	16	15	14	13	12	11	10	9
Valve No.	8b	8a	7b	7a	6b	6a	5b	5a
Terminal block No.	8	7	6	5	4	3	2	1
Valve No.	4b	4a	3b	3a	2b	2a	1b	1a

Terminal block No.	16	15	14	13	12	11	10	9
Valve No.	(Blank)	8a	7b	7a	(Blank)	6a	5b	5a
Terminal block No.	8	7	6	5	4	3	2	1
Valve No.	4b	4a	3b	3a	(Blank)	2a	(Blank)	1a

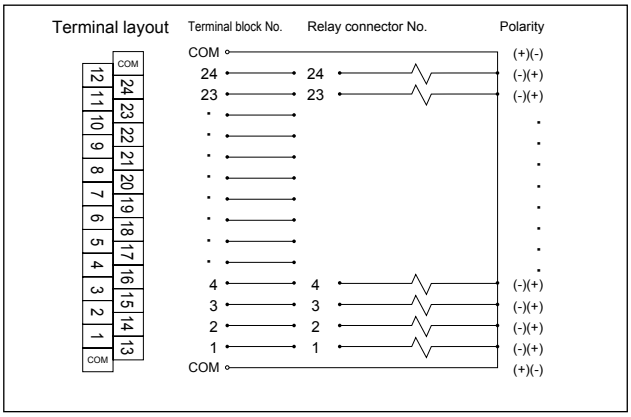
Common terminal box (wiring method T11)

Notes on wiring

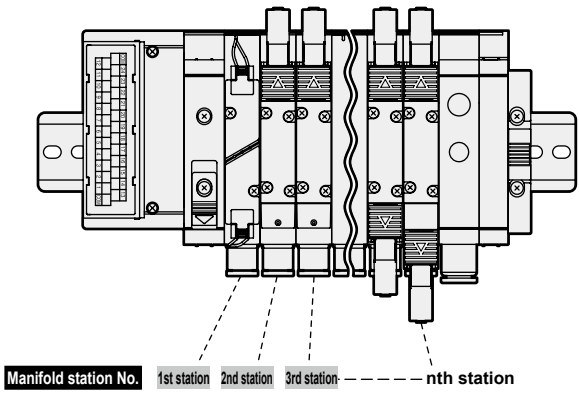
[Precautions for common terminal box (T11)]

(1) With the common terminal box, the common wiring is internal processed beforehand.
When using the independent contact PLC output unit, wire the common wires at the contact section.
(2) Check the correspondence of the number of stations with solenoid positions to prevent incorrect wiring.
(Refer to the table below.)
(3) Note that the correspondence will not function if the number of solenoid stations exceeds 24.
(4) The manifold station numbers are set in order from left with the piping port facing forward.
(5) A voltage drop may occur due to simultaneous energizing or cable length. Confirm that the voltage drop for the solenoid is within 10% of the rated voltage.

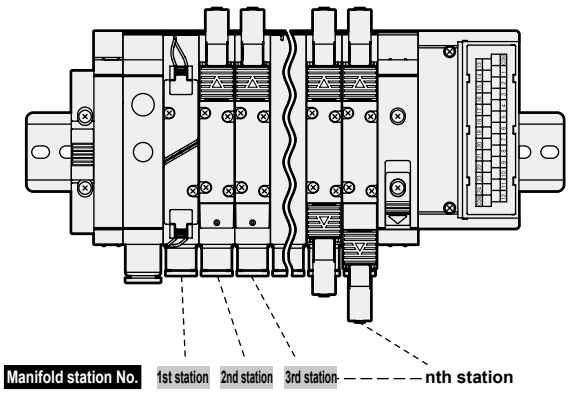
Internal wiring of wiring method T11 (up to 24 solenoid stations)



T11 (left side specifications)



T11R (right side specifications)



Terminal array of wiring method T11 (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters “a” and “b” indicate the “a side” solenoid and “b side” solenoid, respectively.
The manifold’s max. station number differs depending on the model.
Check the specifications of each model.

Terminal No.

COM	24	23	22	21	20	19	18	17	16	15	14	13
12	11	10	9	8	7	6	5	4	3	2	1	COM

[Standard wiring]

● For single solenoid valve

Terminal block No.	24	23	22	21	20	19	18	17	16	15	14	13
Valve No.	24a	23a	22a	21a	20a	19a	18a	17a	16a	15a	14a	13a
Terminal block No.	12	11	10	9	8	7	6	5	4	3	2	1
Valve No.	12a	11a	10a	9a	8a	7a	6a	5a	4a	3a	2a	1a

● For double solenoid valve

Terminal block No.	24	23	22	21	20	19	18	17	16	15	14	13
Valve No.	12b	12a	11b	11a	10b	10a	9b	9a	8b	8a	7b	7a
Terminal block No.	12	11	10	9	8	7	6	5	4	3	2	1
Valve No.	6b	6a	5b	5a	4b	4a	3b	3a	2b	2a	1b	1a

● For mixed use (single/double mixture)

Terminal block No.	24	23	22	21	20	19	18	17	16	15	14	13
Valve No.	18b	18a	17a	16a	15a	14a	13a	12b	12a	11b	11a	10a
Terminal block No.	12	11	10	9	8	7	6	5	4	3	2	1
Valve No.	9a	8a	7b	7a	6a	5a	4b	4a	3b	3a	2a	1a

[Double wiring]

● For single solenoid valve

Terminal block No.	24	23	22	21	20	19	18	17	16	15	14	13
Valve No.	(Blank)	12a	(Blank)	11a	(Blank)	10a	(Blank)	9a	(Blank)	8a	(Blank)	7a
Terminal block No.	12	11	10	9	8	7	6	5	4	3	2	1
Valve No.	(Blank)	6a	(Blank)	5a	(Blank)	4a	(Blank)	3a	(Blank)	2a	(Blank)	1a

● For double solenoid valve

Terminal block No.	24	23	22	21	20	19	18	17	16	15	14	13
Valve No.	12b	12a	11b	11a	10b	10a	9b	9a	8b	8a	7b	7a
Terminal block No.	12	11	10	9	8	7	6	5	4	3	2	1
Valve No.	6b	6a	5b	5a	4b	4a	3b	3a	2b	2a	1b	1a

● For mixed use (single/double mixture)

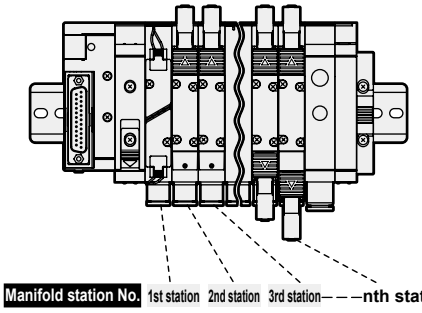
Terminal block No.	24	23	22	21	20	19	18	17	16	15	14	13
Valve No.	12b	12a	11b	11a	(Blank)	10a	(Blank)	9a	(Blank)	8a	7b	7a
Terminal block No.	12	11	10	9	8	7	6	5	4	3	2	1
Valve No.	(Blank)	6a	(Blank)	5a	4b	4a	3b	3a	(Blank)	2a	(Blank)	1a

D sub-connector: Wiring method T30

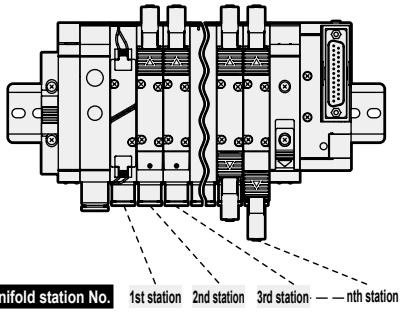
T30 Connectors

The connector used for T30 wiring, called a D sub-connector, is used widely for FA and OA devices. The 25P in particular is also an RS-232-C Standards designated connector, used for personal computer communication. The manifold station numbers are set in order from left with the piping port facing forward.

T30 (left side specifications)

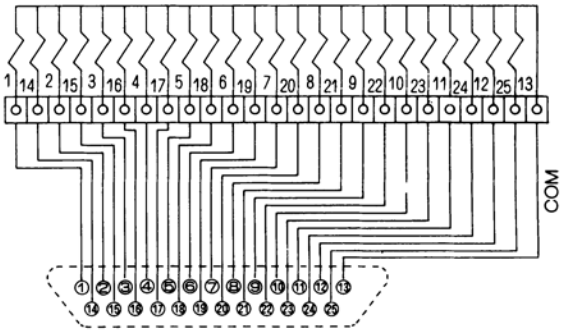


T30R (right side specifications)



Precautions for connector T30

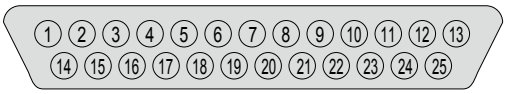
(1) Signal arrays of the PLC output unit must match signal arrays on the valve side.
(2) The working power is 12/24 VDC dedicated.
(3) A voltage drop may occur due to simultaneous energizing or cable length. Confirm that the voltage drop for the solenoid is within 10% of the rated voltage.



Connector pin array (example) of wiring method T30

*1: The numerals of valve numbers 1a, 1b, 2a, 2b... indicate the order of stations first station, second station... and the letters “a” and “b” indicate the “a side” solenoid and “b side” solenoid, respectively.
The manifold’s max. station number differs depending on the model.
Check the specifications of each model.

Connector pin No.



● For single solenoid valve only

[Standard wiring]

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Valve No.	1a	3a	5a	7a	9a	11a	13a	15a	17a	19a	21a	23a	COM
Pin No.	14	15	16	17	18	19	20	21	22	23	24	25	
Valve No.	2a	4a	6a	8a	10a	12a	14a	16a	18a	20a	22a	24a	

[Double wiring]

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	9a	10a	11a	12a	COM
Pin No.	14	15	16	17	18	19	20	21	22	23	24	25	
Valve No.	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	

● For double solenoid valve only

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	9a	10a	11a	12a	COM
Pin No.	14	15	16	17	18	19	20	21	22	23	24	25	
Valve No.	1b	2b	3b	4b	5b	6b	7b	8b	9b	10b	11b	12b	

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	9a	10a	11a	12a	COM
Pin No.	14	15	16	17	18	19	20	21	22	23	24	25	
Valve No.	1b	2b	3b	4b	5b	6b	7b	8b	9b	10b	11b	12b	

● For mixed use (single/double mixture)

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Valve No.	1a	3a	4a	5a	7a	8a	10a	11b	12b	14a	15b	17a	COM
Pin No.	14	15	16	17	18	19	20	21	22	23	24	25	
Valve No.	2a	3b	4b	6a	7b	9a	11a	12a	13a	15a	16a	17b	

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	9a	10a	11a	12a	COM
Pin No.	14	15	16	17	18	19	20	21	22	23	24	25	
Valve No.	(Blank)	(Blank)	3b	4b	(Blank)	(Blank)	7b	(Blank)	(Blank)	(Blank)	11b	12b	

How to order

Cable with D sub-connector model No.

4GR - CABLE - D 0 0 - 1

Ⓐ User interface

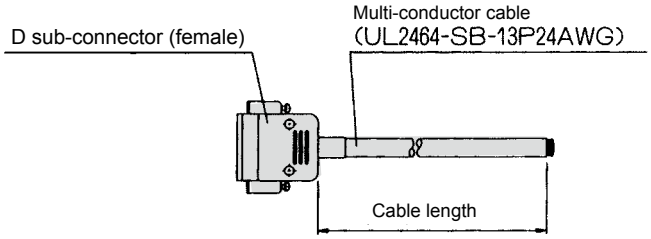
Ⓑ Cable length

* Each pneumatic valve model can be used for D sub-connector T30/T31.

Code	Content	Model No. 4GR
Ⓐ User interface		
0	Cut only	●
1	With round terminal for M3.5 screw	●
Ⓑ Cable length		
1	1 m	●
3	3 m	●
5	5 m	●

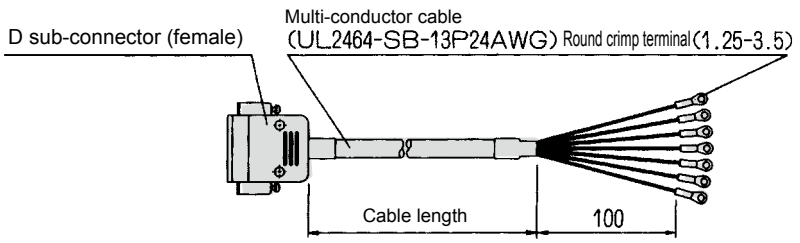
D sub-connector terminal No. and conductor

● 4GR-CABLE-D00-Ⓑ



D sub-connector terminal No.		1	2	3	4	5	6	7	8	9	10	11	12	13
Core identification	Insulator color	Orange	Orange	Yellow	Yellow	Green	Green	Gray	Gray	White	White	Orange	Orange	Yellow
	Mark type	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	2 points	2 points	2 points
	Mark color	Black	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black
D sub-connector terminal No.		14	15	16	17	18	19	20	21	22	23	24	25	
Core identification	Insulator color	Yellow	Green	Green	Gray	Gray	White	White	Orange	Orange	Yellow	Yellow	Green	
	Mark type	2 points	2 points	2 points	2 points	2 points	2 points	2 points	3 points	3 points	3 points	3 points	3 points	
	Mark color	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	

● 4GR-CABLE-D01-Ⓑ



D sub-connector terminal No.		1	2	3	4	5	6	7	8	9	10	11	12	13
Core identification	Insulator color	Orange	Orange	Yellow	Yellow	Green	Green	Gray	Gray	White	White	Orange	Orange	Yellow
	Mark type	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	1 point	2 points	2 points	2 points
	Mark color	Black	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black
Mark tube No.		1	2	3	4	5	6	7	8	9	10	11	12	13
D sub-connector terminal No.		14	15	16	17	18	19	20	21	22	23	24	25	
Core identification	Insulator color	Yellow	Green	Green	Gray	Gray	White	White	Orange	Orange	Yellow	Yellow	Green	
	Mark type	2 points	2 points	2 points	2 points	2 points	2 points	2 points	3 points	3 points	3 points	3 points	3 points	
	Mark color	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	
Mark tube No.		14	15	16	17	18	19	20	21	22	23	24	25	

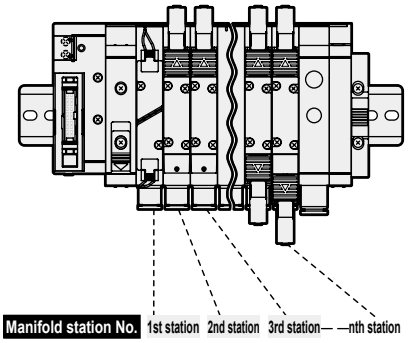
* Up to 24 points can be used. Cut the wires for surplus points before use.

Flat cable connector: wiring method T50

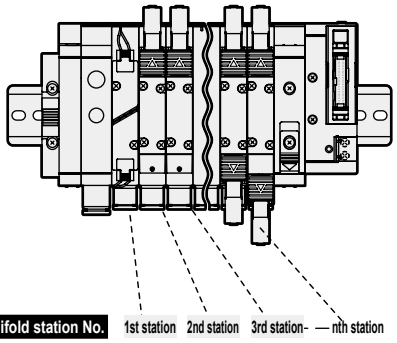
T50 Connectors

The connector used for T50 wiring method complies with MIL Standards (MIL-C-83503). Wiring work is simplified with the pressure welded flat cable.
Pin numbers are assigned differently based on the PLC manufacturer, but the function assignment is the same.
Arrange using connectors and the triangular mark (▼) in the table below for reference. The ▼ mark is the reference for both plug and socket. The manifold station numbers are set in order from left with b side solenoid side (cap side for single) facing forward.

T50 (left side specifications)

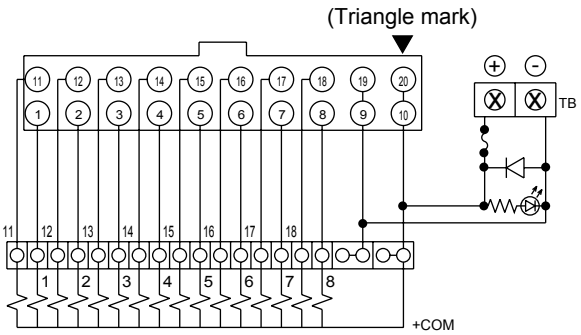


T50R (right side specifications)



Precautions for connector (T50)

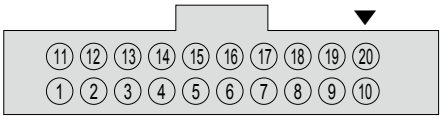
(1) Signal arrays of the PLC output unit must match signal arrays on the valve side. Direct connections with the PLC are limited. Use the dedicated cable for each PLC manufacturer.
(2) The working power is 12/24 VDC dedicated.
(3) When connecting the T50 to a general output unit, use the + terminal (20, 10) of the 20P connector as the plus side common, and use the NPN transistor output open collector for the drive circuit.
(4) Never connect this manifold to the input unit, as major failures could occur in this device and in the peripherals. Be sure to connect the manifold to the output unit.
(5) A voltage drop may occur due to simultaneous energizing or cable length. Confirm that the voltage drop for the solenoid is within 10% of the rated voltage.



T50 connector pin array (example)

*1: The numerals of valve numbers 1a, 1b, 2a, 2b... indicate the order of stations first station, second station... and the letters “a” and “b” indicate the “a side” solenoid and “b side” solenoid, respectively.
The manifold’s max. station number differs depending on the model. Check the specifications of each model.

Connector pin No.



● For single solenoid valve only

[Standard wiring]

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	9a	10a	11a	12a	13a	14a	15a	16a	- Power supply	+ Power supply
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	- Power supply	+ Power supply

[Double wiring]

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	(Blank)	6a	(Blank)	7a	(Blank)	8a	(Blank)	- Power supply	+ Power supply
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	(Blank)	2a	(Blank)	3a	(Blank)	4a	(Blank)	- Power supply	+ Power supply

● For double solenoid valve only

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	5b	6a	6b	7a	7b	8a	8b	- Power supply	+ Power supply
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	- Power supply	+ Power supply

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	5b	6a	6b	7a	7b	8a	8b	- Power supply	+ Power supply
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	- Power supply	+ Power supply

● For mixed use (single/double mixture)

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	7a	7b	8a	9a	10a	10b	11a	11b	- Power supply	+ Power supply
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	2a	3a	3b	4a	4b	5a	6a	- Power supply	+ Power supply

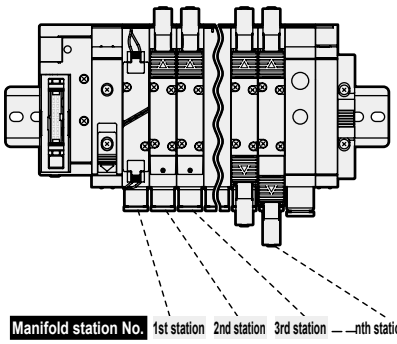
Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	(Blank)	6a	(Blank)	7a	7b	8a	(Blank)	- Power supply	+ Power supply
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	(Blank)	2a	(Blank)	3a	3b	4a	4b	- Power supply	+ Power supply

Flat cable connector: wiring method T51

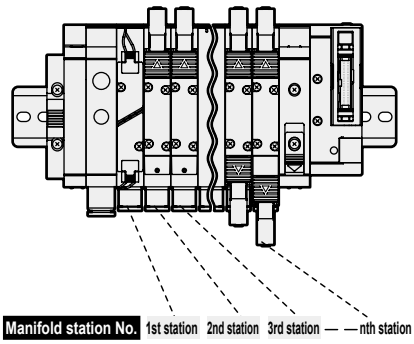
T51 Connectors

The connector used for T51 wiring method complies with MIL Standards (MIL-C-83503). Wiring work is simplified with the pressure welded flat cable.
Pin numbers are assigned differently based on the PLC manufacturer but the function assignment is the same.
Arrange using connectors and the triangular mark (▼) in the table below for reference.
For both plug and socket, the triangular mark (▼) is the reference.
The manifold station numbers are set in order from left with “b side” solenoid (cap for single) facing forward.

T51 (left side specifications)

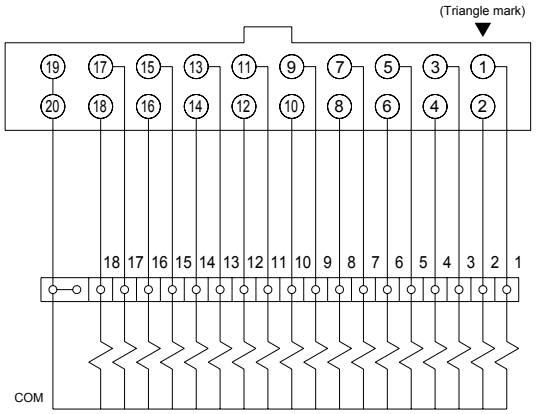


T51R (right side specifications)



Precautions for connector (T51)

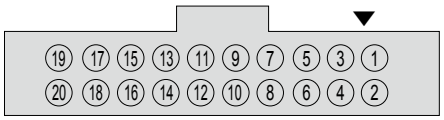
(1) Signal arrays of the PLC output unit must match signal arrays on the valve side.
(2) The working power is 12/24 VDC dedicated.
(3) The T51 is driven with a general output unit.
(4) Never connect this manifold to the input unit, as major failures could occur in this device and in peripherals. Be sure to connect the manifold to the output unit.
(5) A voltage drop may occur due to simultaneous energizing or cable length. Confirm that the voltage drop for the solenoid is within 10% of the rated voltage.



T51 connector pin array (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters “a” and “b” indicate the “a side” solenoid and “b side” solenoid, respectively. The manifold’s max. station number differs depending on the model. Check the specifications of each model.

Connector pin No.



● For single solenoid valve only

[Standard wiring]

Pin No.	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	17a	15a	13a	11a	9a	7a	5a	3a	1a
Pin No.	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	18a	16a	14a	12a	10a	8a	6a	4a	2a

[Double wiring]

Pin No.	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

● For double solenoid valve only

Pin No.	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	9b	8b	7b	6b	5b	4b	3b	2b	1b

Pin No.	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	9b	8b	7b	6b	5b	4b	3b	2b	1b

● For mixed use (single/double mixture)

Pin No.	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	12a	11a	10a	8a	7a	5a	4a	3a	1a
Pin No.	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	13a	11b	10b	9a	7b	6a	4b	3b	2a

Pin No.	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	(Blank)	(Blank)	7b	(Blank)	(Blank)	4b	3b	(Blank)	(Blank)

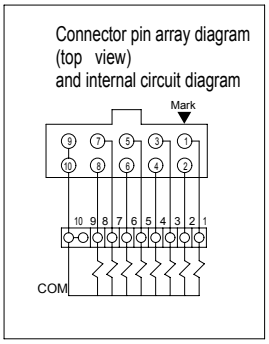
Flat cable connector: wiring method T52

T52 Connectors

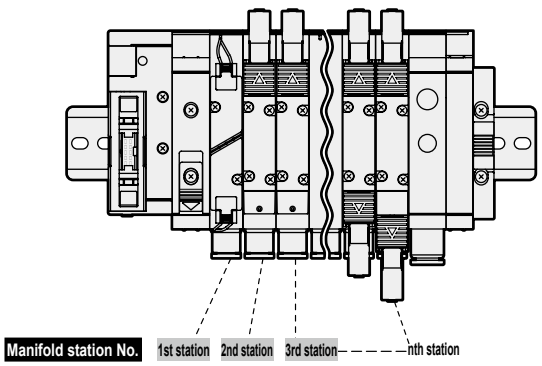
The connector used for T52 wiring method complies with MIL Standards (MIL-C-83503).
Wiring work is simplified with the pressure welded flat cable.
Pin numbers are assigned differently based on the PLC manufacturer, but the function assignment is the same.
Arrange using connectors and the triangular mark (▼) in the table below for reference. The triangular mark (▼) is the reference for both plug and socket.
The manifold station numbers are set in order from left with b side solenoid (cap for single) facing forward.

Precautions for connector (T52)

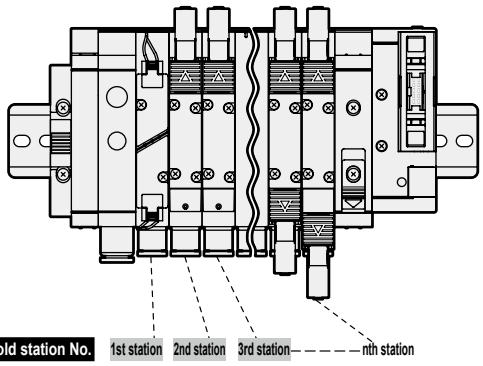
(1) Signal arrays of the PLC output unit must match signal arrays on the valve side.
(2) The working power is 12/24 VDC dedicated.
(3) The T52 is driven with a general output unit.
(4) Never connect this manifold to the input unit, as major failures could occur in this device and in peripherals. Be sure to connect the manifold to the output unit.
(5) A voltage drop may occur due to simultaneous energizing or cable length. Confirm that the voltage drop for the solenoid is within 10% of the rated voltage.



T52 (left side specifications)



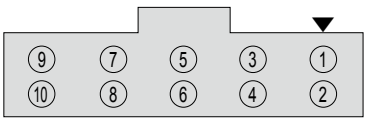
T52R (right side specifications)



T52 connector pin array (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters “a” and “b” indicate the “a side” solenoid and “b side” solenoid, respectively.
The manifold’s max. station number differs depending on the model.
Check the specifications of each model.

Connector pin No.



● For single solenoid valve only

[Standard wiring]

Pin No.	9	7	5	3	1
Valve No.	COM	7a	5a	3a	1a
Pin No.	10	8	6	4	2
Valve No.	COM	8a	6a	4a	2a

[Double wiring]

Pin No.	9	7	5	3	1
Valve No.	COM	4a	3a	2a	1a
Pin No.	10	8	6	4	2
Valve No.	COM	(Blank)	(Blank)	(Blank)	(Blank)

● For double solenoid valve only

Pin No.	9	7	5	3	1
Valve No.	COM	4a	3a	2a	1a
Pin No.	10	8	6	4	2
Valve No.	COM	4b	3b	2b	1b

Pin No.	9	7	5	3	1
Valve No.	COM	4a	3a	2a	1a
Pin No.	10	8	6	4	2
Valve No.	COM	4b	3b	2b	1b

● For mixed use (single/double mixture)

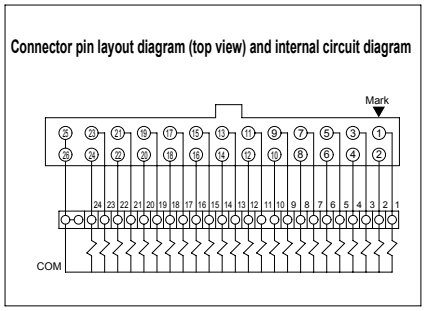
Pin No.	9	7	5	3	1
Valve No.	COM	5b	4b	3a	1a
Pin No.	10	8	6	4	2
Valve No.	COM	6a	5a	4a	2a

Pin No.	9	7	5	3	1
Valve No.	COM	4a	3a	2a	1a
Pin No.	10	8	6	4	2
Valve No.	COM	4b	(Blank)	(Blank)	(Blank)

Flat cable connector: wiring method T53

T53 Connectors

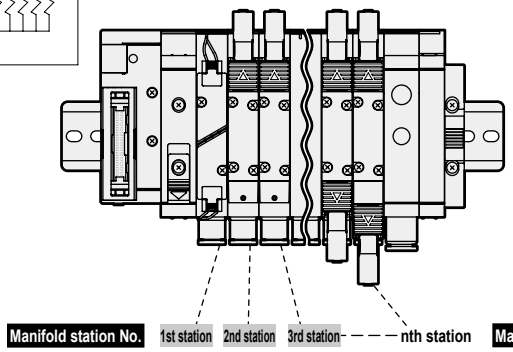
The connector used for T53 wiring method complies with MIL Standards (MIL-C-83503).
Wiring work is simplified with the pressure welded flat cable.
Pin numbers are assigned differently based on the PLC manufacturer, but the function assignment is the same.
Arrange using connectors and the triangular mark (▼) in the table below for reference. The triangular mark (▼) is the reference for both plug and socket.
The manifold station numbers are set in order from left with b side solenoid (cap for single) facing forward.



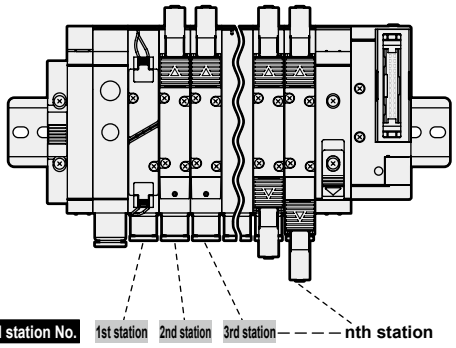
Precautions for connector (T53)

(1) Signal arrays of the PLC output unit must match signal arrays on the valve side.
(2) The working power is 12/24 VDC dedicated.
(3) The T53 is driven with a general output unit.
(4) Never connect this manifold to the input unit, as major failures could occur in this device and in peripherals. Be sure to connect the manifold to the output unit.
(5) A voltage drop may occur due to simultaneous energizing or cable length. Confirm that the voltage drop for the solenoid is within 10% of the rated voltage.

T53 (left side specifications)



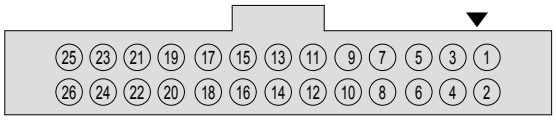
T53R (right side specifications)



T53 connector pin array (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters “a” and “b” indicate the “a side” solenoid and “b side” solenoid, respectively.
The manifold’s max. station number differs depending on the model.
Check the specifications of each model.

Connector pin No.



[Standard wiring]

● For single solenoid valve

Pin No.	25	23	21	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	23a	21a	19a	17a	15a	13a	11a	9a	7a	5a	3a	1a
Pin No.	26	24	22	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	24a	22a	20a	18a	16a	14a	12a	10a	8a	6a	4a	2a

● For double solenoid valve only

Pin No.	25	23	21	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	12a	11a	10a	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	26	24	22	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	12b	11b	10b	9b	8b	7b	6b	5b	4b	3b	2b	1b

● For mixed use (single/double mixture)

Pin No.	25	23	21	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	16a	15a	14a	12a	10a	9a	8a	7a	5b	4b	3a	1a
Pin No.	26	24	22	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	16b	15b	14b	13a	11a	9b	8b	7b	6a	5a	4a	2a

[Double wiring]

Pin No.	25	23	21	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	12a	11a	10a	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	26	24	22	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

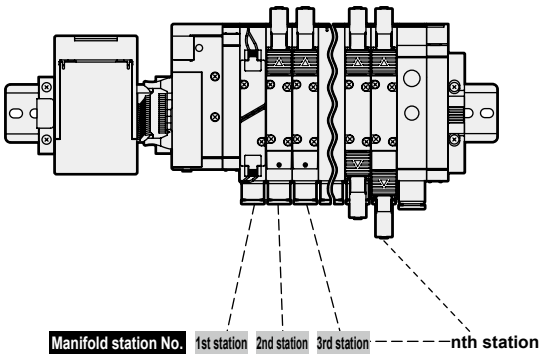
Pin No.	25	23	21	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	12a	11a	10a	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	26	24	22	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	12b	11b	10b	9b	8b	7b	6b	5b	4b	3b	2b	1b

Pin No.	25	23	21	19	17	15	13	11	9	7	5	3	1
Valve No.	COM	12a	11a	10a	9a	8a	7a	6a	5a	4a	3a	2a	1a
Pin No.	26	24	22	20	18	16	14	12	10	8	6	4	2
Valve No.	COM	(Blank)	(Blank)	(Blank)	9b	8b	7b	(Blank)	5b	4b	(Blank)	(Blank)	(Blank)

Serial transmission: Wiring method

T6* serial transmission

- The slave unit's output No. differs with the manufacturer. The connector pin No. and the manifold solenoid correspond as shown below.
- Station manifolds are set in order from the left with the piping port facing forward regardless of the wiring block position.
- Internal connectors are wired in order, so there may be some blank numbers depending on the number of stations. These blank outputs cannot be used to drive other than the solenoid manifolds in use.
- The working power is 24 VDC.
- A slave unit for each communication system is used. Contact CKD for usable PLC models, host unit model numbers and communication system specifications.
- Output number differs by PLC manufacturer, but the function assignment is the same. Arrange using connectors and the triangular mark (▼) in the table below for reference. The ▼ mark is the reference for both plug and socket.



Correspondence of output No. with connector pin No.

● T6A0 T6C0 T6E0 T6J0

Output No.	0	1	2	3	4	5	6	7
Connector pin No.	1	2	3	4	5	6	7	8

● T6A1 T6C1 T6E1 T6J1

Output No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Connector pin No.	1	2	3	4	5	6	7	8	11	12	13	14	15	16	17	18

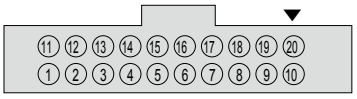
● T6G1

Output No.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Connector pin No.	1	2	3	4	5	6	7	8	11	12	13	14	15	16	17	18

T6* connector pin array (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters "a" and "b" indicate the "a side" solenoid and "b side" solenoid, respectively. The manifold's max. station number differs depending on the model. Check the specifications of each model.

Connector pin No.



[Standard wiring]

● For single solenoid valve only

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	9a	10a	11a	12a	13a	14a	15a	16a	(Blank)	+COM
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	(Blank)	+COM

● For double solenoid valve only

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	5b	6a	6b	7a	7b	8a	8b	(Blank)	+COM
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	(Blank)	+COM

● For mixed use (single/double mixture)

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	7a	7b	8a	9a	10a	10b	11a	11b	(Blank)	+COM
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	2a	3a	3b	4a	4b	5a	6a	(Blank)	+COM

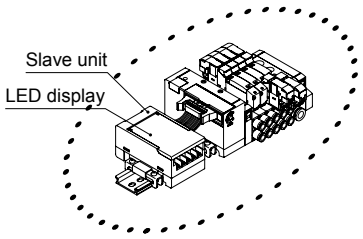
[Double wiring]

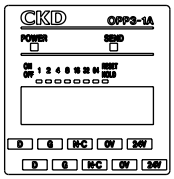
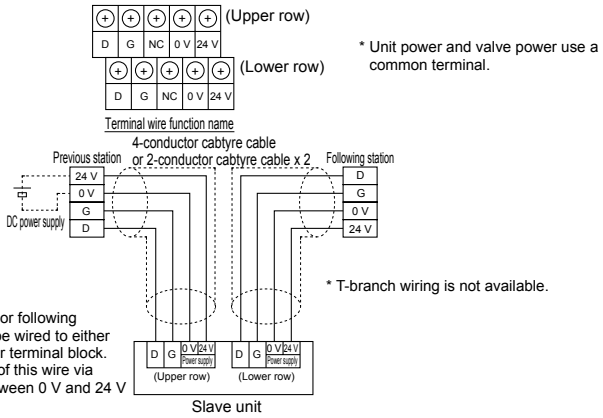
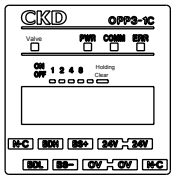
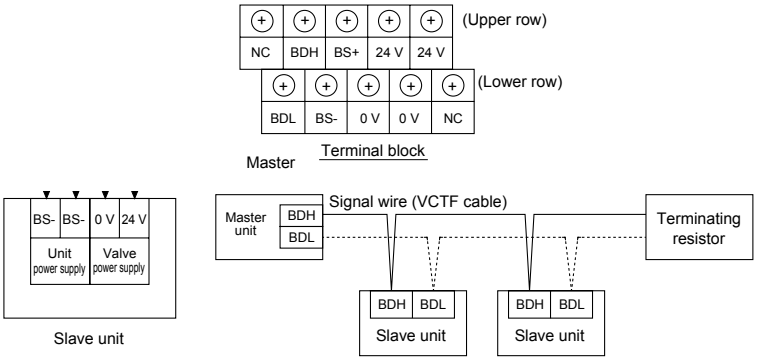
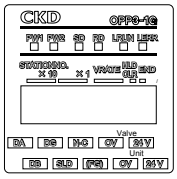
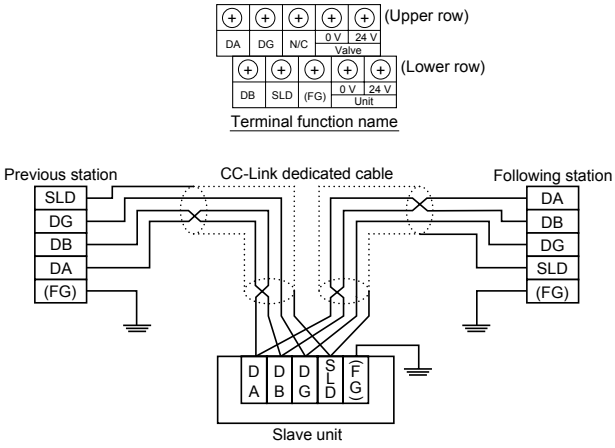
Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	(Blank)	6a	(Blank)	7a	(Blank)	8a	(Blank)	(Blank)	+COM
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	(Blank)	2a	(Blank)	3a	(Blank)	4a	(Blank)	(Blank)	+COM

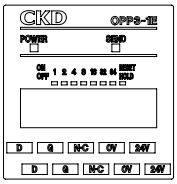
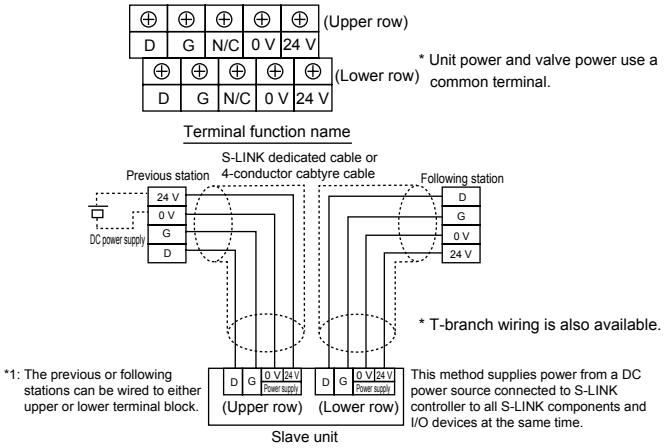
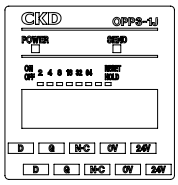
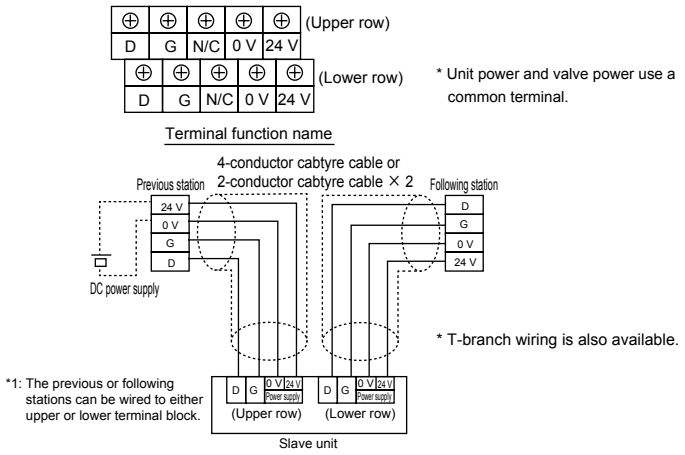
Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	5b	6a	6b	7a	7b	8a	8b	(Blank)	+COM
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	(Blank)	+COM

Pin No.	11	12	13	14	15	16	17	18	19	20
Valve No.	5a	(Blank)	6a	(Blank)	7a	7b	8a	(Blank)	(Blank)	+COM
Pin No.	1	2	3	4	5	6	7	8	9	10
Valve No.	1a	(Blank)	2a	(Blank)	3a	3b	4a	4b	(Blank)	+COM

* Do not use (Blank).



	LED display	Wiring method
T6A0 T6A1	 **LED name / Display description** POWER: Lights when power is ON. SEND: Blinks when transmission is normal. Lights or turns OFF when transmission is not normal.	 (Upper row) D G NC 0 V 24 V (Lower row) D G NC 0 V 24 V Terminal wire function name * Unit power and valve power use a common terminal. 4-conductor cabtyre cable or 2-conductor cabtyre cable x 2 Previous station: 24 V, 0 V, G, D DC power supply Following station: D, G, 0 V, 24 V * T-branch wiring is not available. *1: The previous or following stations can be wired to either upper or lower terminal block. *2. Max. current of this wire via slave unit between 0 V and 24 V is 7 A. Slave unit
T6C0 T6C1	 **LED name / Display description** Valve (green): Lights when valve power is ON. PWR (green): Lights when unit power is ON. COMM (orange): Lights during normal communication. OFF when communication is abnormal or standing by. ERR (red): Lights when communication error occurs. OFF when communication is normal or standing by.	 (Upper row) NC BDH BS+ 24 V 24 V (Lower row) BDL BS- 0 V 0 V NC Terminal block Master BS- BS- 0 V 24 V Unit power supply / Valve power supply Slave unit Master unit: BDH, BDL Signal wire (VCTF cable) Terminating resistor BDH BDL — Slave unit BDH BDL — Slave unit
T6G1	 **LED name / Display description** PW1: Lights when unit power is ON. PW2: Lights when valve power is ON. SD: Lights when transmitting data. RD: Lights when receiving data. L RUN: Lights when receiving normal data, and turns OFF at timeover. L ERR: Lights when transmission error occurs. Turns OFF when time has lapsed. Lights when the station No. setting or transmission speed setting is incorrect. Blinks when station No. or transmission speed in setting changes.	 (Upper row) DA DG N/C 0 V 24 V Valve (Lower row) DB SLD (FG) 0 V 24 V Unit Terminal function name Previous station: SLD, DG, DB, DA, (FG) CC-Link dedicated cable Following station: DA, DB, DG, SLD, (FG) DA DB DG SLD (FG) Slave unit

	LED display	Wiring method
T6E0 T6E1		
T6J0 T6J1		

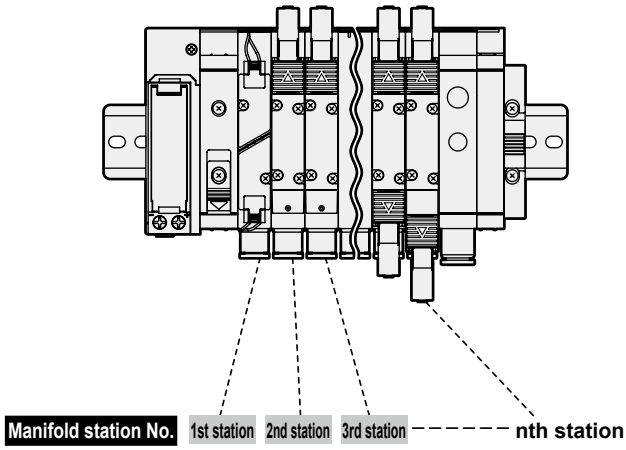
LED name	Display description
POWER	Lights when power is ON.
SEND	Blinks when transmission is normal. Lights or turns OFF when transmission is not normal.

LED name	Display description
POWER	Lights when power is ON.
SEND	Blinks when transmission is normal. Lights or turns OFF when transmission is not normal.

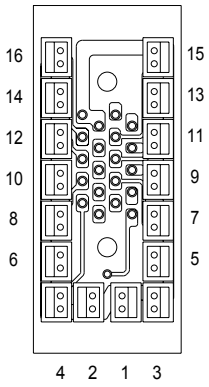
Serial transmission: Wiring method

T7* serial transmission

- The slave unit's output No. differs with the manufacturer. The internal connector pin No. and the manifold solenoid correspond as shown below.
- Station manifolds are set in order from the left with the piping port facing forward regardless of the wiring block position.
- Internal connectors are wired in order, so there may be some blank numbers depending on the number of stations. These blank outputs cannot be used to drive other than the solenoid manifolds in use.
- The working power is 24 VDC.
- A slave unit for each communication system is used. Contact CKD for usable PLC models, host unit model numbers and communication system specifications.
- Securely fix the enclosed connector with fixing screws. (Proper tightening torque 0.3 N·m)



Internal base connector pin No.



Correspondence of output No. with connector pin No.

● T7C0, T7E0

Output No.	0	1	2	3	4	5	6	7
Connector pin No.	1	2	3	4	5	6	7	8

● T7C1, T7D1, T7E1, T7L1, T7S□1

Output No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Connector pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

● T7G1

Output No.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Connector pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

T7* connector pin array (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters "a" and "b" indicate the "a side" solenoid and "b side" solenoid, respectively.
The manifold's max. station number differs depending on the model. Check the specifications of each model.

[Standard wiring]

● For single solenoid valve

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	9a	10a	11a	12a	13a	14a	15a	16a

● For double solenoid valve

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b

● For mixed use (single/double mixture)

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	2a	3a	3b	4a	4b	5a	6a	7a	7b	8a	9a	10a	10b	11a	11b

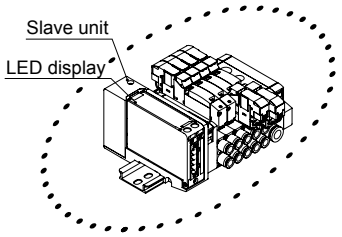
[Double wiring]

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	(Blank)	2a	(Blank)	3a	(Blank)	4a	(Blank)	5a	(Blank)	6a	(Blank)	7a	(Blank)	8a	(Blank)

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b

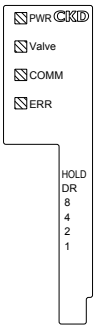
Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	(Blank)	2a	(Blank)	3a	3b	4a	4b	5a	(Blank)	6a	(Blank)	7a	7b	8a	(Blank)

* Do not use (Blank).

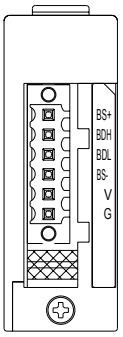


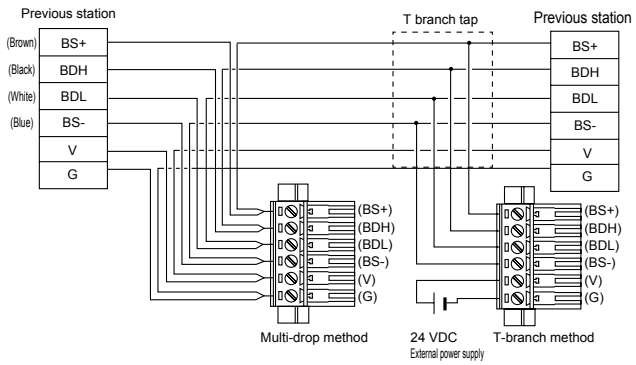
Model No.	LED display	Wiring method

T7C0 / T7C1



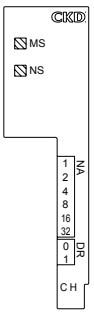
LED name	Display description
Valve (green)	Lights when valve power is ON.
PWR (green)	Lights when unit power is ON.
COMM (orange)	Lights during normal communication. OFF when communication is abnormal or standing by.
ERR (red)	Lights when communication error occurs. OFF when communication is normal or standing by.



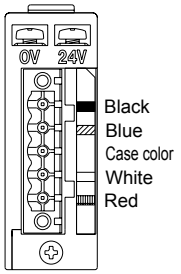


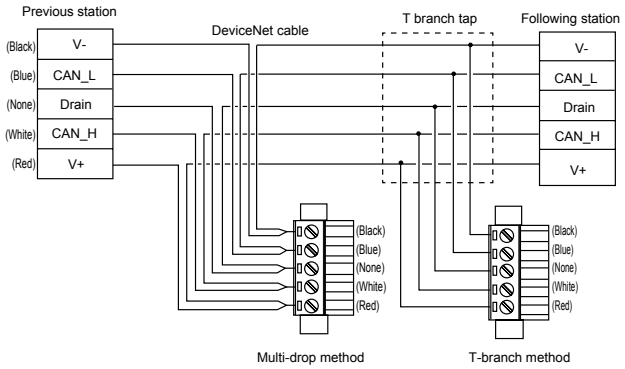
- Power supply line and communication line are connected to the connector.
- Unit power supply and valve power supply use separate terminals.
- Wiring section connectors are included.

T7D1



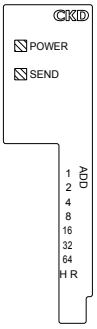
LED name	Display description
MS	Slave status is indicated with green and red LEDs. Errors are indicated using combination with "NS LED".
NS	Network status is indicated with green and red LEDs. Errors are indicated using combination with "MS LED".



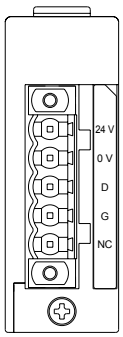


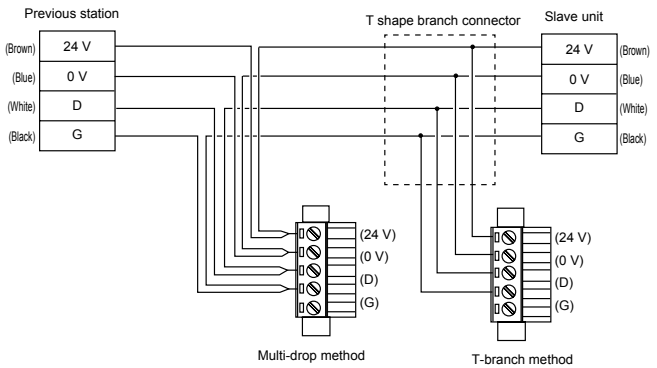
- Power supply line is connected to the terminal box.
- Connect the DeviceNet cable to the connector.
- The power terminal box (24 V, 0 V) is insulated from the communication power terminal (V+, V-).
- Unit power and valve power use a common terminal.
- Wiring section connectors are included.

T7E0 / T7E1



LED name	Display description
POWER	Lights when power is ON.
SEND	Blinks when transmission is normal. Lights or turns OFF when transmission is not normal.

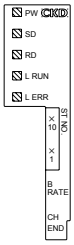




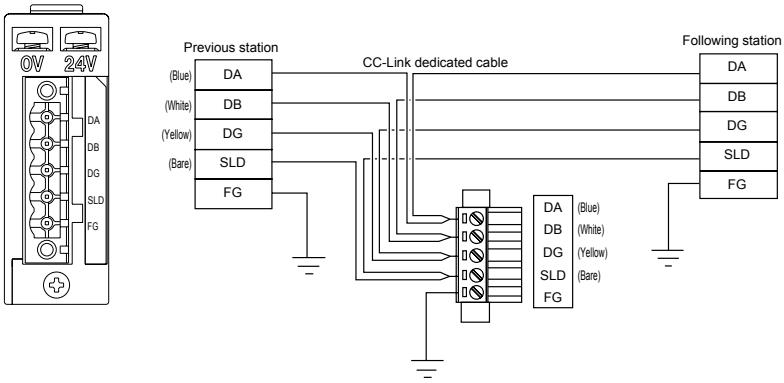
- Power supply line and communication line are connected to the connector.
- Unit power and valve power use a common terminal.
- Wiring section connectors are included.

Model No.	LED display	Wiring method

T7G1

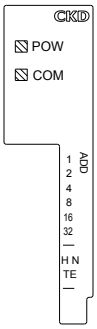


LED name	Display description
PW	Lights when power is ON.
SD	Lights when transmitting data.
RD	Lights when receiving data.
L RUN	Lights when receiving normal data. Turns OFF at time over.
L ERR	Lights when transmission error occurs. Turns OFF at time over. Lights when station No. or transmission speed setting fails. Blinks when station No. or transmission speed setting changes.

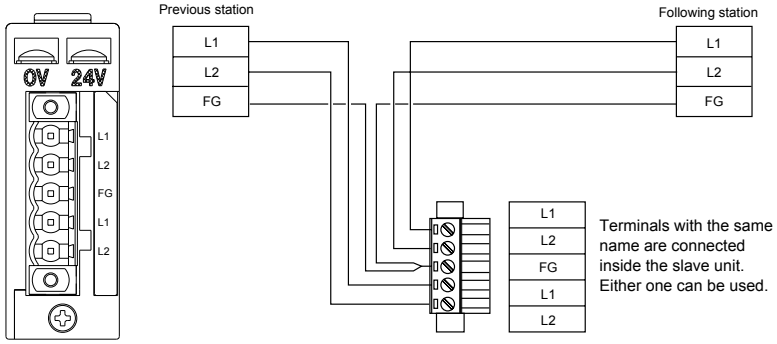


- Power supply line is connected to the terminal box.
- Connects the CC-Link cable to the connector.
- Unit power and valve power use a common terminal.
- Wiring section connectors are included.

T7L1

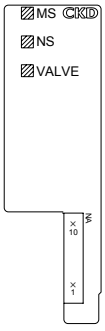


LED name	Display description
POW	Lights when power supplies of master and slave units are ON.
COM	Lights during normal communication with master unit. Turns OFF when communication failure continues for a certain period.

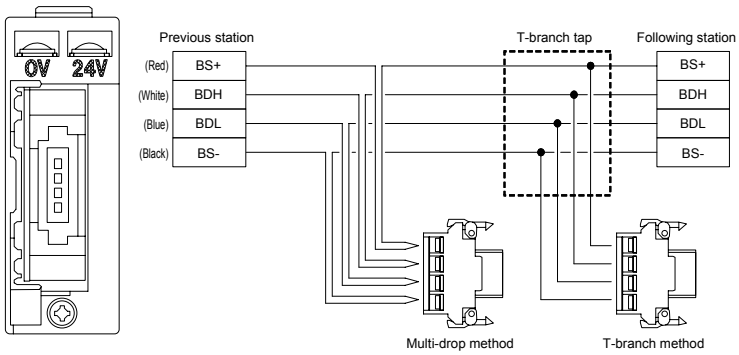


- Power supply line is connected to the terminal box.
- Communication line is connected to the connector.
- Unit power and valve power use a common terminal.
- Wiring section connectors are included.

T7S□1



LED name	Display description
MS	Slave status is indicated with green and red lights Errors are indicated using combination with "NS LED"
NS	Network status is indicated with green and red lights Errors are indicated using combination with "MS LED
VALVE	Green lamp is ON when valve power is ON

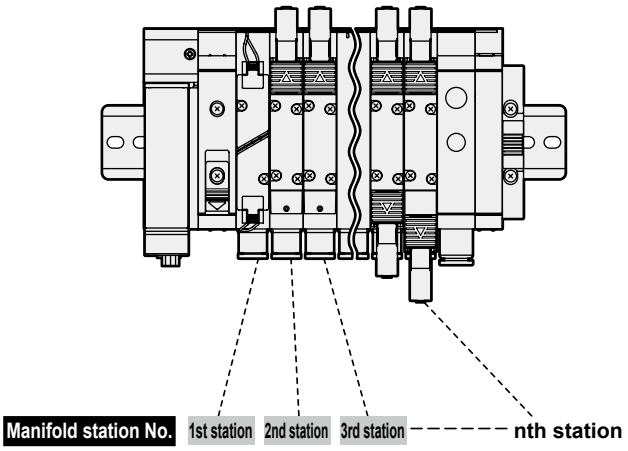


- Communication line/communication power supply are connected to the plug for communication.
- Valve power supply is connected to the terminal box.
- Communication plug is not attached with this product.

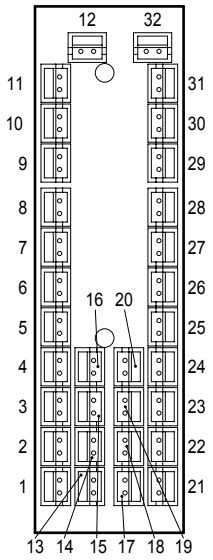
Serial transmission: Wiring method

T8* serial transmission

- The slave unit's output No. differs with the manufacturer. The internal connector pin No. and the manifold solenoid correspond as shown below.
- Station manifolds are set in order from the left with the piping port facing forward regardless of the wiring block position.
- Internal connectors are wired in order, so there may be some blank numbers depending on the number of stations. These blank outputs cannot be used to drive other than the solenoid manifolds in use.
- The working power is 24 VDC.
- Securely fix the enclosed connector with fixing screws. (Proper tightening torque 0.3 N·m)



Internal base connector pin No.



Correspondence of output No. with connector pin No.

● T8□1

Output No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Connector pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

● T8□2

Output No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Connector pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Output No.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Connector pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

T8* connector pin array (example)

*: The numerals of valve numbers 1a, 1b, 2a, 2b ... indicate the order of stations first station, second station... and the letters "a" and "b" indicate the "a side" solenoid and "b side" solenoid, respectively.
The manifold's max. station number differs depending on the model. Check the specifications of each model.

[Standard wiring]

● For single solenoid valve

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	2a	3a	4a	5a	6a	7a	8a	9a	10a	11a	12a	13a	14a	15a	16a
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Valve No.	17a	18a	19a	20a	21a	22a	23a	24a	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

● For double solenoid valve

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Valve No.	9a	9b	10a	10b	11a	11b	12a	12b	13a	13b	14a	14b	15a	15b	16a	16b

● For mixed use (single/double mixture)

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	2a	3a	3b	4a	4b	5a	6a	7a	7b	8a	9a	10a	10b	11a	11b
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Valve No.	12a	13a	14a	14b	15a	15b	16a	17a	18a	18b	19a	20a	21a	21b	22a	22b

[Double wiring]

● For single solenoid valve

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	(Blank)	2a	(Blank)	3a	(Blank)	4a	(Blank)	5a	(Blank)	6a	(Blank)	7a	(Blank)	8a	(Blank)
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Valve No.	9a	(Blank)	10a	(Blank)	11a	(Blank)	12a	(Blank)	13a	(Blank)	14a	(Blank)	15a	(Blank)	16a	(Blank)

● For double solenoid valve

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Valve No.	9a	9b	10a	10b	11a	11b	12a	12b	13a	13b	14a	14b	15a	15b	16a	16b

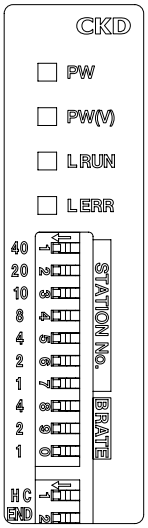
● For mixed use (single/double mixture)

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Valve No.	1a	(Blank)	2a	(Blank)	3a	3b	4a	4b	5a	(Blank)	6a	(Blank)	7a	7b	8a	(Blank)
Pin No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Valve No.	9a	(Blank)	10a	10b	11a	11b	12a	(Blank)	13a	(Blank)	14a	14b	15a	15b	16a	(Blank)

* Do not use (Blank).

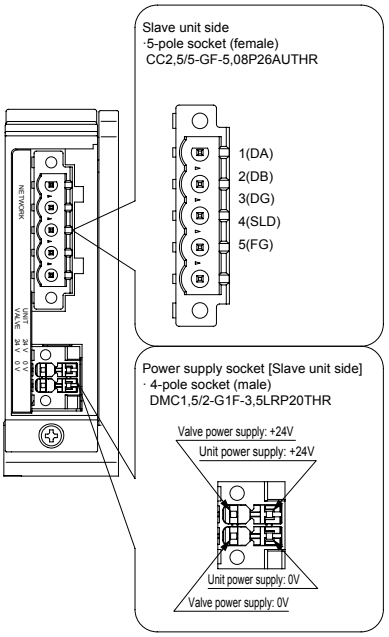
Model No.	LED display	Wiring

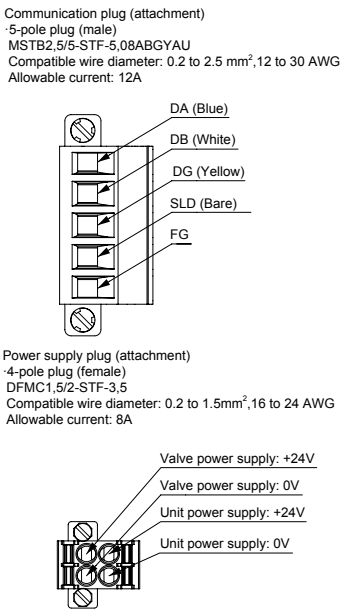
T8G*



LED display description

LED name	Display description
PW	Lights when unit power is ON. Red light is ON when normal
PW(V)	Lights when valve power is ON. Red light is ON when normal (Cannot be monitored when the unit power is not ON)
L RUN	ON when CC-Link refresh data is normally received. Red light is ON when normal
L ERR	ON (red) when CC-Link data reception is abnormal. Light is OFF when normal

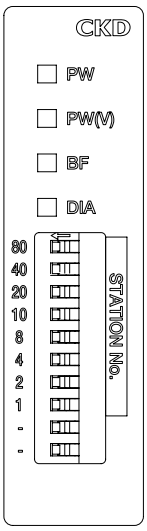




Communication socket pin array

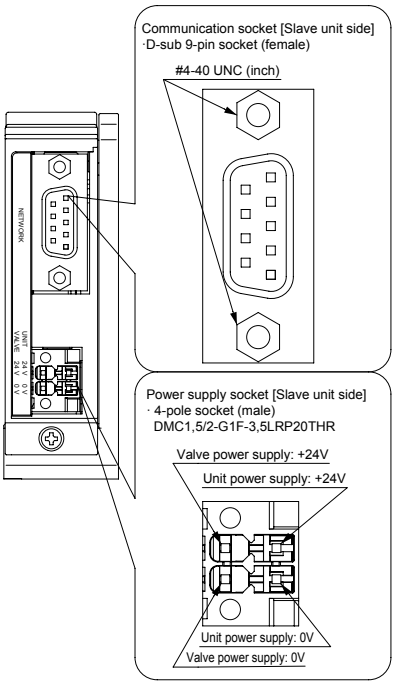
Pin	Signal name (cable color)	Function
1	DA (Blue)	Communication line “DA”
2	DB (White)	Communication line “DB”
3	DG (Yellow)	Communication line “DG”
4	SLD (Bare)	Communication line “SLD”
5	FG	Ground

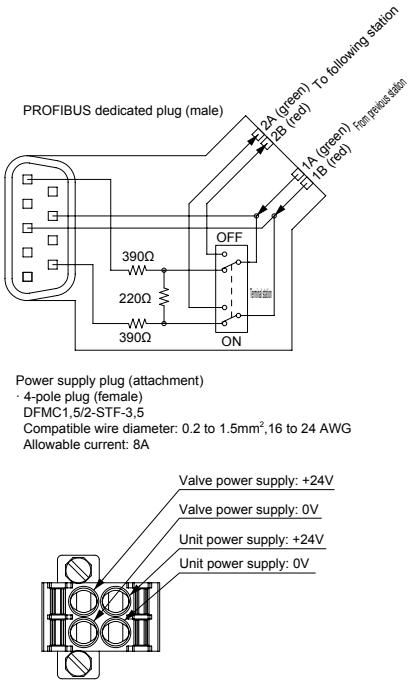
T8P*



LED display description

LED name	Display description
PW	Lights when unit power is ON. Green lamp is ON when normal
PW(V)	Lights when valve power is ON. Green lamp is ON when normal (Cannot be monitored when the unit power is not ON)
BF	Lights when data cannot be transmitted or received. Red lamp is ON when abnormal
DIA	Lights when self-diagnostics error occurs. Red lamp is ON when abnormal





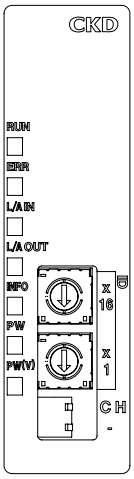
Communication socket pin array

Pin	Signal name	Function
1	Shield	Shield
2	M24	Vacant
3	RxD/TxD-P	Data reception/transmission (plus)
4	CNTR-P	Vacant
5	DGND	GND

Pin	Signal name	Function
6	VP	Service voltage of the terminator (+5V)
7	P24	Vacant
8	RxD/TxD-N	Data reception/transmission (minus)
9	CNTR-N	Vacant

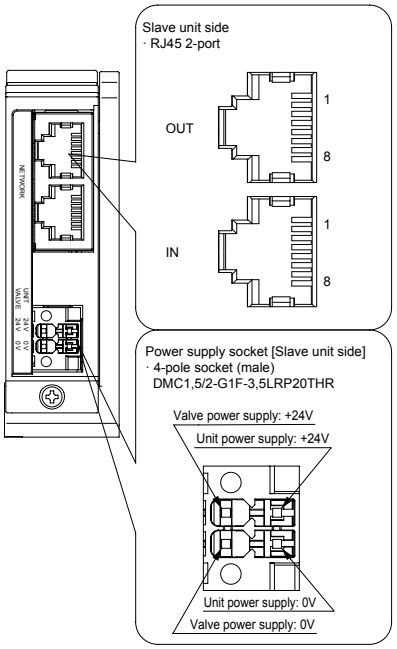
Model No.	LED display	Wiring

T8EC*

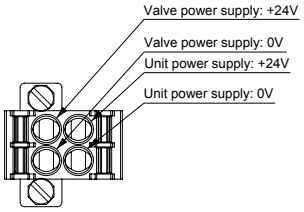


LED display description

LED name	Display description
RUN	Communication status of EtherCAT is indicated by the LED (green) state (OFF/ON/flashing) (green during normal communication)
ERR	Abnormal status of EtherCAT is indicated by the LED (red) state (OFF/ON/flashing) (OFF during normal communication)
L/A IN	Status of the Ethernet port (IN side) is indicated by the LED (green) state (OFF/ON/flashing)
L/A OUT	Status of the Ethernet port (OUT side) is indicated by the LED (green) state (OFF/ON/flashing)
INFO	Error status of the slave unit is indicated by the LED (red) (OFF during normal communication)
PW	Lights when unit power is ON. Green lamp is ON when normal
PW(V)	Lights when valve power is ON. Green lamp is ON when normal (Cannot be monitored when the unit power is not ON)



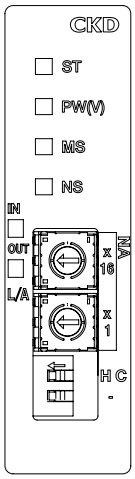
Power supply plug (attachment)
· 4-pole plug (female)
DFMC1,5/2-STF-3,5
Compatible wire diameter: 0.2 to 1.5mm^2,16 to 24 AWG
Allowable current: 8A



Communication socket pin array

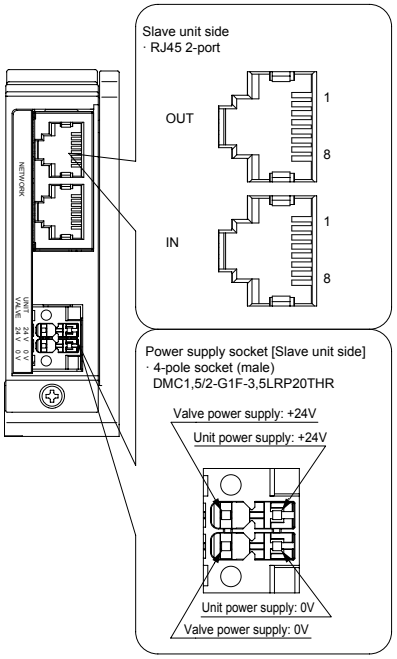
Port	Pin	Signal name	Function
IN/OUT	1	TXD+	Transmitted data, positive
	2	TXD-	Transmitted data, negative
	3	RXD+	Received data, positive
	4	Vacant	
	5	Vacant	
IN/OUT	6	RXD-	Received data, negative
	7	Vacant	
	8	Vacant	

T8EN*

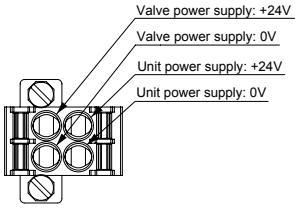


LED display description

LED name	Display description
ST	Status of the slave unit is indicated by the LED color (green/yellow) and state (ON/flashing)
PW(V)	Lights when valve power is ON. Green lamp is ON when normal (Cannot be monitored when the unit power is not ON)
MS	Status of the slave unit related to EtherNet/ IP is indicated by the LED color (green/red) and state (ON/flashing)
NS	Status of the network related to EtherNet/IP is indicated by the LED color (green/red) and state (ON/flashing)
L/A IN	Status of the Ethernet port (IN side) is indicated by the LED color (green/yellow)
L/A OUT	Status of the Ethernet port (OUT side) is indicated by the LED color (green/yellow)



Power supply plug (attachment)
· 4-pole plug (female)
DFMC1,5/2-STF-3,5
Compatible wire diameter: 0.2 to 1.5mm^2,16 to 24 AWG
Allowable current: 8A



Communication socket pin array

Port	Pin	Signal name	Function
IN/OUT	1	TXD+	Transmitted data, positive
	2	TXD-	Transmitted data, negative
	3	RXD+	Received data, positive
	4	Vacant	
	5	Vacant	
IN/OUT	6	RXD-	Received data, negative
	7	Vacant	
	8	Vacant	

Note: Wiring connection connectors
Connectors fitting the slave unit side connectors listed below can be used.

	Slave unit side connector model No.	Wiring side connector model No. (attached product/recommended product)
T7D(DeviceNet)	MSTB2.5/5-GF-5.08AU Phoenix Contact Corp.	MSTB2.5/5-STF-5.08AUM Phoenix Contact Corp.
T7G(CC-Link) T7E(S-LINK) T7L(SAVE NET)	SL5.08/5/90FAU Weidmüller Corp.	BLZ5.08/5FAU Weidmüller Corp.
T7C(CompoBus/S)	SL3.5/6/90F Weidmüller Corp.	BL3.5/6F Weidmüller Corp.
T7S□1	XW7D-PB4-R Manufactured by OMRON Corporation	Communication plug is not attached with this product. [Recommended communication plug] DCN4-BR4 Flat connector plug (without sheath) OMRON Corporation DCN4-TB4 Open connector (terminal box) OMRON Corporation HCN-TB4LMZG-#B10 Open connector (terminal box): 10 pieces Honda Tsushin Kogyo Co., Ltd. HCN-A4SMUG-#B10 Connector plug (VCTF/flat): 10 pieces Honda Tsushin Kogyo Co., Ltd. [Recommended connector for multiple wiring] DCN4-MD4 Connector for multiple wiring OMRON Corporation HCN-MD4SAG-#B10 Connector for multiple wiring (10 pieces) Honda Tsushin Kogyo Co., Ltd.

Model No.		Slave unit side connector model No.	Wiring side connector model No. (attached product/recommended product)
T8G** (CC-Link)	Communication	CC2,5/5-GF-5,08P26AUTHR [Phoenix Contact Corp.]	Attached product MSTB 2,5/5-STF-5,08 ABGY AU(1882832) [Phoenix Contact Corp.]
	Power supply	DMC1,5/2-G1F-3,5LRP20THR [Phoenix Contact Corp.]	Attached product DFMC1,5/2-STF-3,5(1790292) [Phoenix Contact Corp.]
T8P** (PROFIBUS-DP)	Communication	D-SUB9 Pin (#4-40UNC: With inch flange)	Communication plug is not attached with this product. Recommended communication plug SUBCON-PLUS-PROFIBUS/SC2(2708232) [Phoenix Contact Corp.] SUBCON-PLUS-PROFIBUS/AX/SC(2744380) [Phoenix Contact Corp.]
	Power supply	DMC1,5/2-G1F-3,5LRP20THR [Phoenix Contact Corp.]	Attached product DFMC1,5/2-STF-3,5(1790292) [Phoenix Contact Corp.]
T8EC** (EtherCAT)	Communication	RJ45 connector (8 pin x 2-port)	Communication plug is not attached with this product. Cable with recommended plug IETP-SB-S*** □ (both ends shielded ground) [JMACS Corp.] ***: Length □ : Unit M = meter C = centimeter
	Power supply	DMC1,5/2-G1F-3,5LRP20THR [Phoenix Contact Corp.]	Attached product DFMC1,5/2-STF-3,5(1790292) [Phoenix Contact Corp.]
T8EN** (EtherNet/IP)	Communication	RJ45 connector (8 pin x 2-port)	Communication plug is not attached with this product. Cable with recommended plug IETP-SB-S*** □ (both ends shielded ground) [JMACS Corp.] ***: Length □ : Unit M = meter C = centimeter
	Power supply	DMC1,5/2-G1F-3,5LRP20THR [Phoenix Contact Corp.]	Attached product DFMC1,5/2-STF-3,5(1790292) [Phoenix Contact Corp.]