

ON	ON	9600 bps
----	----	----------

(2) Setting of data bit, parity and stop bit

Communication specification setting dip switch			Data bit, parity and stop bit
3	4	5	
OFF	OFF	OFF	8 bits, Even, 1 bit
ON	OFF	OFF	8 bits, Even, 2 bits
OFF	ON	OFF	8 bits, Odd, 1 bit
ON	ON	OFF	8 bits, Odd, 2 bits
OFF	OFF	ON	8 bits, None, 1 bit
ON	OFF	ON	8 bits, None, 2 bits

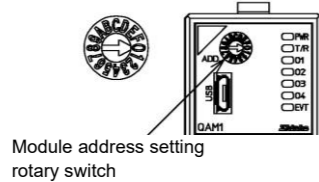
Dip switches No.6, No.7 and No.8 does not use. Leave it OFF.

5.2 Setting of Module Address

Caution

When using the SIF function, module addresses should be set to consecutive numbers starting from 1. When using the MODBUS specification, any number between 0 to F (1 to 16) can be set.

The module addresses are set with the rotary switch. Use a small flat-blade screwdriver to set the module addresses. The value obtained by adding 1 to the value of the set rotary switch becomes the module addresses.



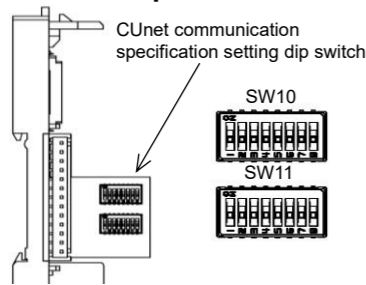
Module address: 0 to F (1 to 16)

Rotary switch	0	1	9	A	B	F
Module address	1	2	10	11	12	16

5.3 Setting of CUNet communication specification

The CUNet communication specifications are set by the dip switches (SW10, SW11) on the base part.

Refer to (1) in "7.2.2 Power Supply and Communication Terminal Arrangement" to remove the case. After setting, refer to (3) in "7.2.2 Power Supply and Communication Terminal Arrangement" to mount the case.



(1) Setting of Station Address and Communication Speed (SW10)

No.	Setting item	Status	Factory default
1	Station address setting	Bit0 ON: Enable, OFF: Disable	Disable
2		Bit1 ON: Enable, OFF: Disable	Disable
3		Bit2 ON: Enable, OFF: Disable	Disable
4		Bit3 ON: Enable, OFF: Disable	Disable
5		Bit4 ON: Enable, OFF: Disable	Disable
6	Bit5 ON: Enable, OFF: Disable	Disable	Disable
7	Communication speed setting	7: OFF 8: OFF 12 Mbps	12 Mbps
8		7: ON 8: OFF 6 Mbps 7: OFF 8: ON 3 Mbps 7: ON 8: ON Disable(12 Mbps)	

(2) Select master address and number of occupied (OWN) items (SW11)

No.	Setting item	Status	Factory default
1	Master address setting	Bit0 ON: Enable, OFF: Disable	Disable
2		Bit1 ON: Enable, OFF: Disable	Disable
3		Bit2 ON: Enable, OFF: Disable	Disable
4		Bit3 ON: Enable, OFF: Disable	Disable
5		Bit4 ON: Enable, OFF: Disable	Disable
6	Bit5 ON: Enable, OFF: Disable	Disable	Disable
7	Number of occupied (OWN) items selection(*)	7: OFF 8: OFF 1 item	1 item
8		7: ON 8: OFF 2 items 7: OFF 8: ON 3 items 7: ON 8: ON 4 items	

(*): The following items are allocated to global memory for each module.

Number of occupied (OWN) items	QAM1	
	DI item	DO item
1	PV: 03E8-03EB	Output: 0014-0017
2	Status 1: 03F4-03F7	
3	MV: 03EC-03EF	
4		

Shaded area is invalid because there is no allocation (no area is allocated in

global memory)

6. Mounting

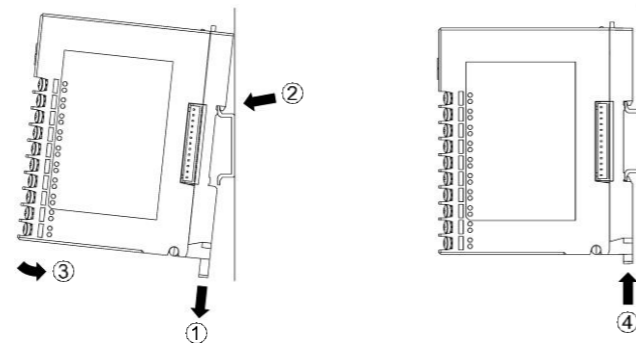
Caution

- Turn off the power supply to this instrument when mounting or removing it.
 - Mount the DIN rail horizontally.
 - This instrument fits the following DIN rails. Top hat rail TH35 JIS C 2812-1988
 - If this instrument is mounted in a position susceptible to vibration or shock, mount commercially available end plate at both ends of the instrument.
 - When installing, make sure that the orientation (upper and lower) of this instrument is correct.
 - When mounting or removing this instrument on the DIN rail, it must be tilted slightly.
- Secure a space of 50 mm or more in the vertical direction of the instrument, considering the wiring space of the power supply/communication line and heat dissipation.

6.1 Mounting

Mounting to the DIN rail

- Lower the lock lever of this instrument. (The lock lever of this instrument has a spring structure, but if lower it in the direction of the arrow until it stops, it will be locked in that position.)
- Hook the part ② of this instrument onto the top of the DIN rail.
- Insert the lower part of this instrument with the part ② as a fulcrum.
- Raise the lock lever of this instrument. Make sure it is fixed to the DIN rail.



Removal from the DIN rail

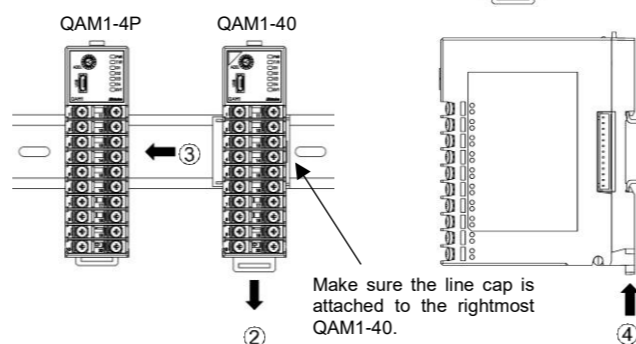
- Insert a flat blade screwdriver into the lock lever of this instrument and lower the lock lever until it stops.
- Remove this instrument from the DIN rail by lifting it from below.



Mounting multiple modules to the DIN rail

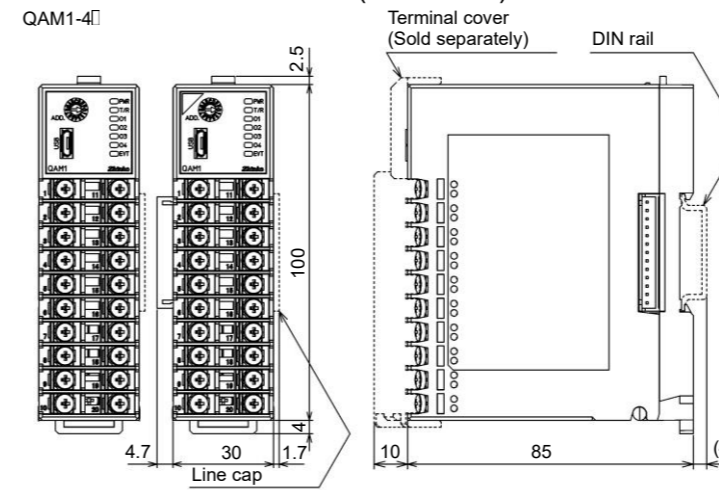
This section describes an example of mounting multiple modules on the DIN rail.

- Remove the line cap on the right side of the QAM1-4P.
- Lower the lock lever of the QAM1-40, and mounting the QAM1-40 to the DIN rail.
- Slide the QAM1-40 to the left and connect the connectors to each other.
- Raise the lock lever of the QAM1-40. Make sure it is fixed to the DIN rail.



Make sure the line cap is attached to the rightmost QAM1-40.

6.2 External Dimensions(Scale: mm)



7. Wiring

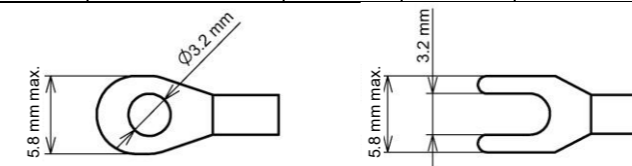
Warning

Turn off the power supply to this instrument before wiring. If you work while the power is supplied, you may get an electric shock, which could result in an accident resulting in death or serious injury.

7.1 Recommended Terminal

Use a solderless terminal with an insulation sleeve in which an M3 screw fits as shown below. Use the Ring-type for the power supply and communication section.

Solderless Terminal	Manufacturer	Model	Compatible wire size	Tightening torque
Y-type	NICHIFU TERMINAL INDUSTRIES CO., LTD.	TMEX1.25Y-3	AWG22 to 16	Input/output section: 0.63 N · m Power supply section: 0.5 N · m serial communication section: 0.3 N · m
	J.S.TMFG.CO.,LTD.	VD1.25-B3A	AWG22 to 16	
Ring-type	NICHIFU TERMINAL INDUSTRIES CO., LTD.	TMEX1.25-3	AWG22 to 16	Input/output section: 0.63 N · m Power supply section: 0.5 N · m serial communication section: 0.3 N · m
	J.S.TMFG.CO.,LTD.	TMEX2-3S	AWG16 to 14	
		V1.25-3	AWG22 to 16	

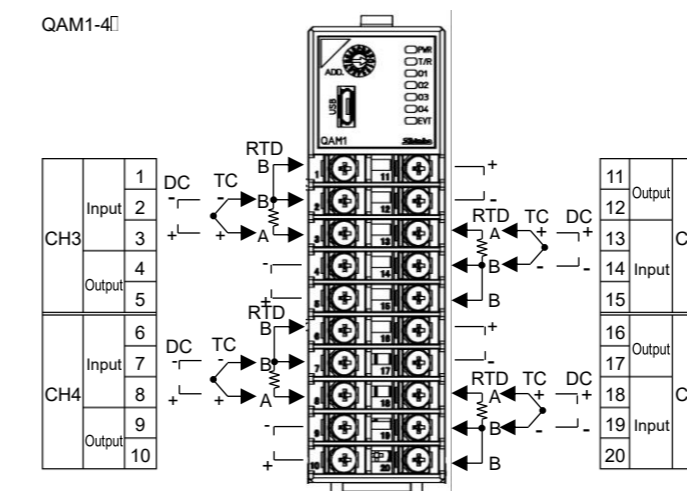


7.2 Terminal Arrangement

7.2.1 Input and Output Terminal Arrangement

Caution

Please note that CH1, CH2 and CH3, CH4 have different terminal arrangements.



For DC current input (with an external receiving resistor), connect a receiving resistor [option 50 Ω (RES-S01-050)] between each input terminal (+ and -).
For DC current input (built-in receiving resistor), a receiving resistor (50

Ω) is not required.

7.2.2 Power Supply and Communication Terminal Arrangement

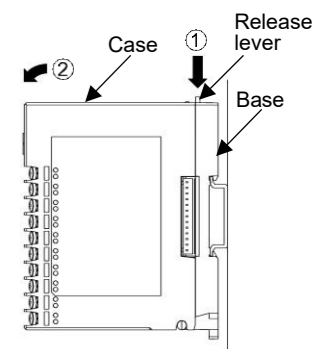
Caution

Be sure to use the correct polarity for the power supply voltage (24 V DC).

The terminal block for power supply and communication is located on the base of this instrument. Wiring by the following procedure.

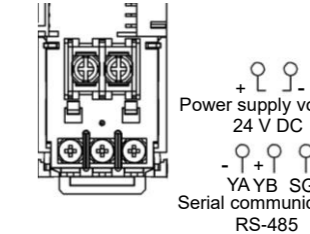
(1) Case removal

- Push the release lever on the top of this instrument to unlock it.
- Remove the case.

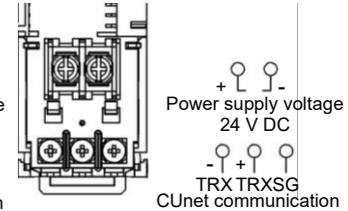


(2) Wiring

Serial communication RS-485



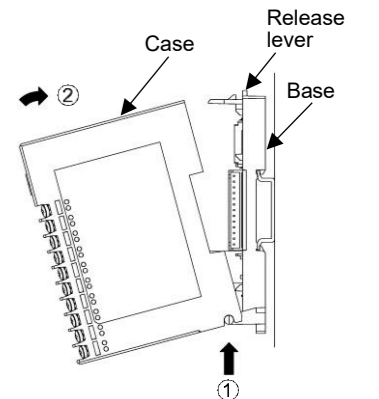
CUNet communication



For CUNet communication, install a terminator [optional 100 Ω (RES-S07-100)] on the last module of the communication line.

(3) Case mounting

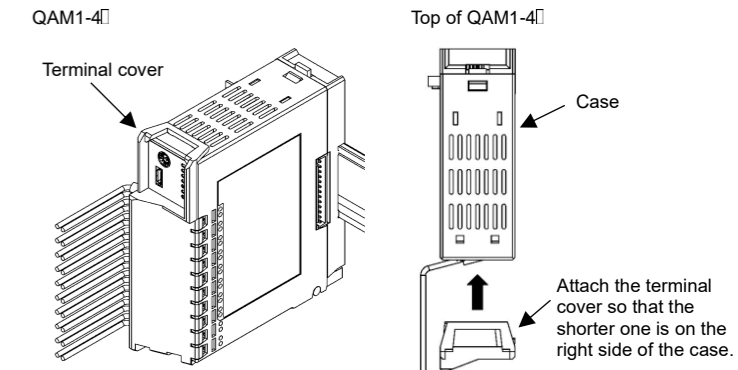
- Hook the case on the lower part ① of this instrument.
- Mount the case so that the lower part ① of this instrument is the fulcrum and covers the release lever. There is a clicking sound.



7.3 Using Terminal Cover Precaution

Attach the terminal cover TC-QTC (sold separately) so that the shorter one is on the right side of the case.

For the wiring of terminal numbers 11 to 20, pass through the left side of the terminal cover.



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