

Rtelligent RE-3200 Quick Start Guide

Thank you for using the Rtelligent RE-3200 Expansion module !

This operation manual provides relevant information on RE-3200 expansion module.

Before use, please carefully read the relevant content of the manual to ensure correct use!

- Before wiring the product, the user should carefully understand the terminal definition, as incorrect wiring may cause hardware damage.
- Please insulate the connection part of the power terminal, otherwise it may cause electric shock.
- Do not set up, disassemble, or repair unless designated personnel are present, as this may result in electric shock or injury.
- Do not remove the cover, cables, connectors, and optional accessories while powered on, as this may cause electric shock.
- Please take measures to ensure that restarting does not endanger personal safety, otherwise it may result in injury.
- Please never modify this product, as it may cause injury or mechanical damage.
- Do not install in environments with corrosive, flammable gases, high temperatures, humidity, dust, or metal dust.
- To ensure good heat dissipation conditions, large intervals should be left as much as possible during actual installation.
- For industrial control environments with severe interference, shielded cables should be used for high-frequency input and output IO ports.

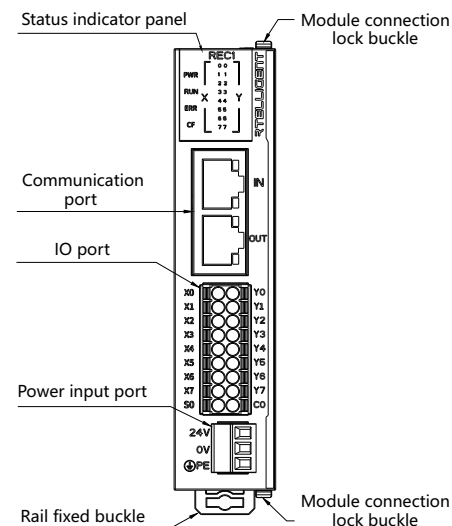
Product Information

RE - 32 00 - N
① ② ③ ④

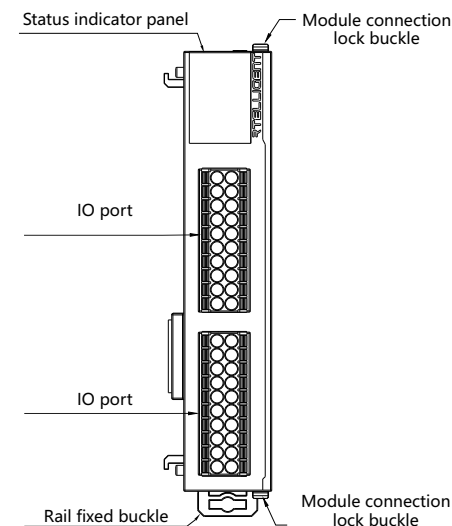
- ① RE: Remote expansion module
- ② 32: Digital input I/O count
- ③ 00: Digital output I/O count
- ④ N: NPN P: PNP

- The expansion module comes with an IO action indicator panel
- Digital input I/O terminal voltage range: 18V to 30V
- The digital inputs are bipolar digits
- Isolation mode: optocoupler isolation
- The input default digital filter is 2ms

Product Diagram

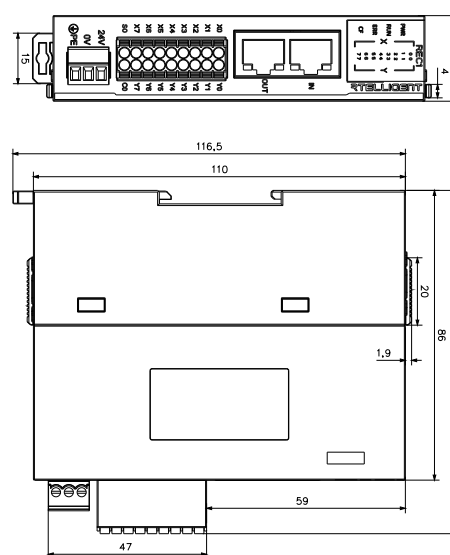


Coupler

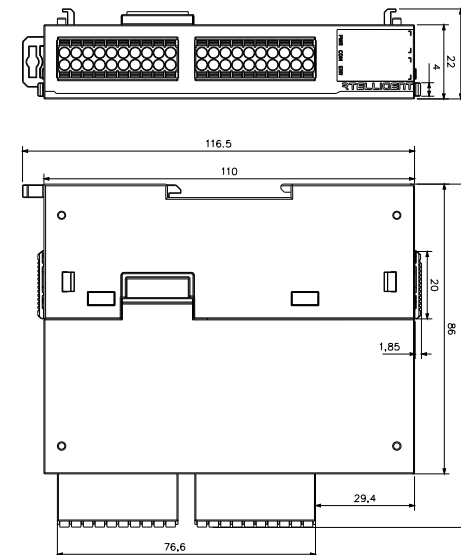


IO module

Product Dimension

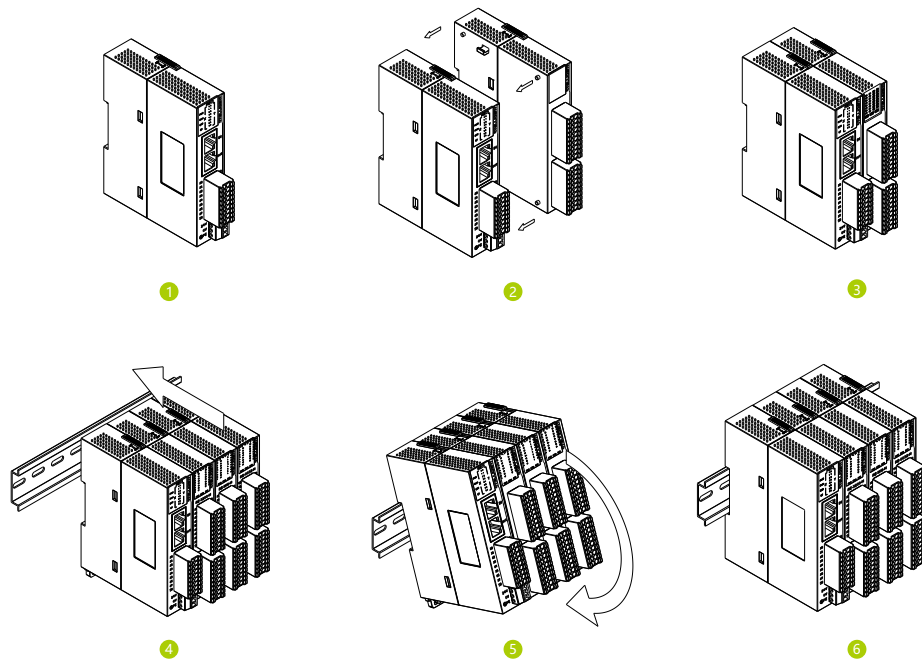


Coupler

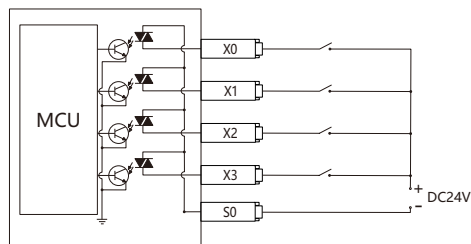


IO module

Installation Guide



Wiring Diagram



Input interface

Panel Indicator Light

Indicator Light	Function	Remark
PWR	Power supply indicator light	Module power supply normal indicator light, always on
COM	Module online indicator	Module normal communication online status, light Steady on, offline light off
ERR	Module alarm light	Normal status light Off. The alarm blinks

PDO Parameter Description

PDO Type	PDO Name	Size
PDO input	Digital input CH1-8bit	8bit
	Digital input CH2-8bit	8bit
	Digital input CH3-8bit	8bit
	Digital input CH4-8bit	8bit

• Digital input CH1-8bit

Digital input PDO, if the corresponding bit is 1, the optocoupler of the input port will conduct, and if 0, it will not conduct

Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
X7	X6	X5	X4	X3	X2	X1	X0

• Digital input CH2-8bit

Digital input PDO, if the corresponding bit is 1, the optocoupler of the input port will conduct, and if 0, it will not conduct

Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
X17	X16	X15	X14	X13	X12	X11	X10

• Digital input CH3-8bit

Digital input PDO, if the corresponding bit is 1, the optocoupler of the input port will conduct, and if 0, it will not conduct

Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
X27	X26	X25	X24	X23	X22	X21	X20

• Digital input CH4-8bit

Digital input PDO, if the corresponding bit is 1, the optocoupler of the input port will conduct, and if 0, it will not conduct

Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
X37	X36	X35	X34	X33	X32	X31	X30