

Product Manual

Release: Nov 25, 2025

Version: V2.4



Figure1.RS232 Serial Module

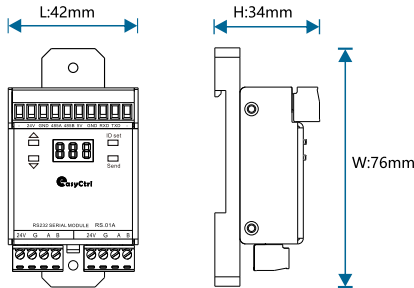


Figure 2. Dimensional Drawing - Front View

Figure 3. Dimensional Drawing -Sideview

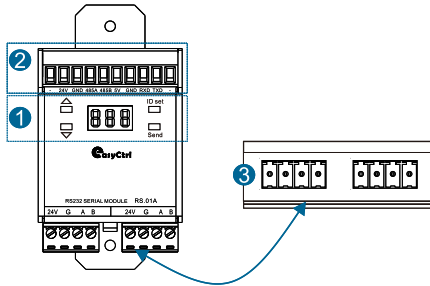


Figure 4. Product Information

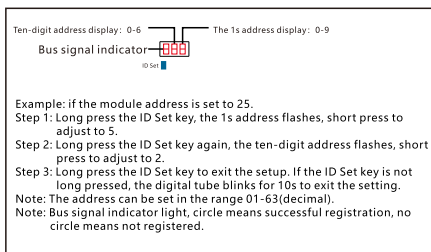


Figure 5. Address setup instructions

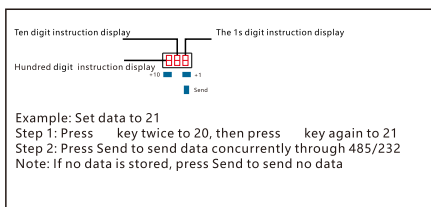


Figure 6. Manually testing data sending

Product Overview

RS232 Serial Module (see Figure 1) serves as a system third-party equipment control unit, typically installed in a distribution box, rail installation. Through the bus control RS485/RS232 equipment, can control the third-party serial equipment, such as: RS485 air conditioning panel, projector, matrix third-party equipment.

Function Description

- Standard 35mm DIN rail installation: Occupies 2.5P module units.
- Provides one serial port, RS485/RS232 for concurrent.
- The serial port stores a maximum of 100 Hex commands, and a single command can contain up to 47 bytes.
- The serial port can send 100 commands and receive 100 commands into 100 key panels.
- The serial port supports various baud rates and parity check.
- Can be connected to projectors, sequencers, air conditioning panel and other serial devices.
- With local and remote programming and testing functions.
- Supports online firmware updates and Bus network disconnection alarm function.
- Supports YC-BUS communication.

Precautions

- Use RVV4*0.75 four-core wire for bus wiring.
- Do not connect the AB signal of the bus interface incorrectly; otherwise, the bus signal is abnormal.
- Do not connect RS485 and RS232 to the power supply; otherwise, the device will be burned.

Product Information

Product Dimensions: See Figures 2 and 3

Product Wiring: See Figure 7 and 8

Product Information: See Figure 4

1. Function Keys:

- ID Set key: Address setting 01-63, setting method (see Figure 5)
- Δ : The channel number is relatively increasing, ranging from 0 to 5.
- ∇ : The data increases by 1.
- Send key: Sends the data stored in the serial port.
- Δ/∇ /Send key: command test button, select the command to be tested, click send, (see Figure 6).
- 2. Port wiring:: 24V, 5V are output voltages (see Figure 7)
- 3. Bus interface (see Figure 8):
- Bus interface sequence: 24V, GND, A, B

Product Installation

See Figures 9-11

- Step 1. Secure the 35mm rail with screws.
- Step 2. Hold the 6 CH Infrared Emitter Module at a 45 degree angle with both hands, and the bottom of the module is clamped against the guide rail. The whole module is pressed to the guide rail at a 90 degree angle, and the module is slid until it is in the correct position.

Safety Warning

- Tightening torque should not exceed 0.4 Nm.
- Installation location: Distribution box.
- Do not connect the YC-BUS interface incorrectly, as it may damage the equipment.
- The YC-BUS interface must not be connected to AC power; otherwise, it will damage all devices on the bus.
- Ensure a good ventilation environment.
- Do not expose to rain, contact with other liquids, or corrosive gases.

Packing List

- RS.01A*1/User Manual*1/Certificate of Conformity*1

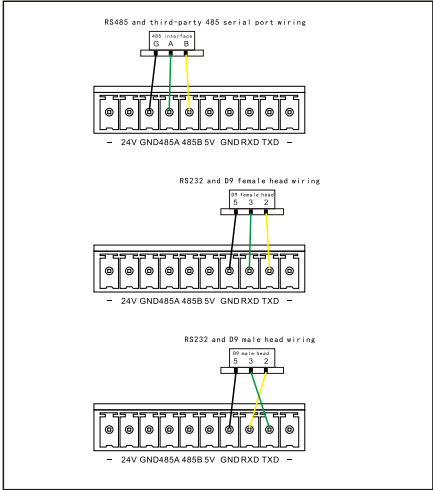


Figure 7. Serial port wiring

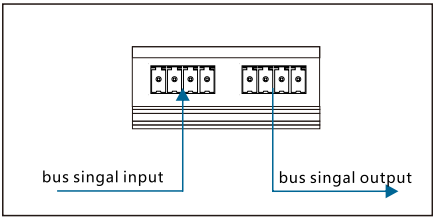


Figure 8. Bus interface wiring instructions



Figure 9

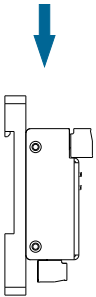


Figure 10

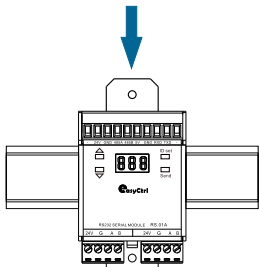


Figure 11

Technical Parameters

Basic Parameters	
Operating Voltage	24VDC±10%
Rated Consumption	≤0.4W
Output Voltage	24VDC±10%/5VDC±10%
Output Circuit	1 serial port, 485 and 232 concurrent
Data Storage	send 100 data, receive 100 data
Bus Interface	bus interface*2
Display Interface	4*light touch function key; 3*digital tube LED light
Protection	NONE

External Environment	
Operating Temperature	-5℃~45℃
Operating Relative Humidity	≤90%
Storage Temperature	-20℃~60℃
Storage Relative Humidity	≤93%

Product Specifications	
Dimensions (L*W*H)	42 mm*76 mm*34 mm
Net Weight	≤104g/pcs
Enclosure Material	brushed aluminum shell technology
Installation Method	standard 35mm DIN rail mounting (see Figure 9-11)
Protection Level	NONE

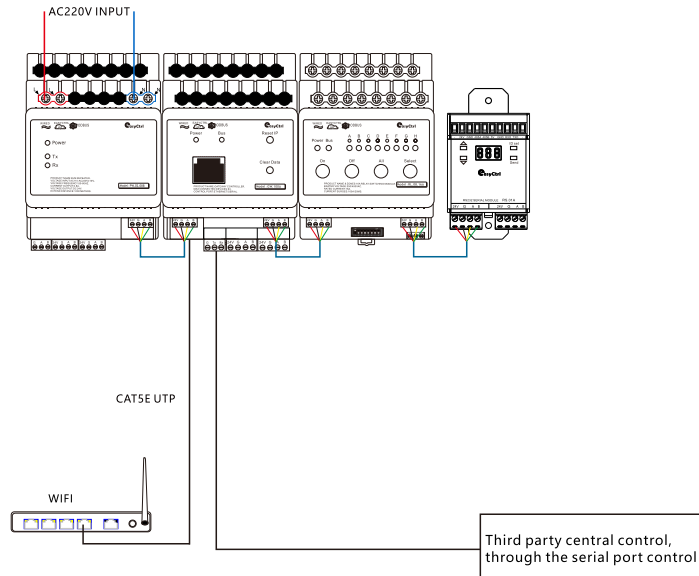
System Diagram



Notebook



Mobile terminal
(IOS/Android)



Technical support

Service Hotline: 86-18029750069

working hours: 9:00-12:00,13:00-18:00,From Monday to Friday)

Email:ceshi@easyctrlgz.com

website: http://www.easyctrlgz.com



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