Overall Dimension

Overall dimension (L×H×W) 106.5mm×115mm×12.5mm



Install

This product adopts DIN35mm guide rail installation mode. The guide rail shall conform to the size specification of TH35-7.5 guide rail in the national standard GB/T19334-2003. This standard is equivalent to the international standard of IEC 60715-1981. The installation must be stable and firm. It is recommended to use the guide rail plug to prevent the instrument from sliding and unstable installation on the guide rail.



Dismantle

(1)Use a screwdriver (knife width ≤6mm) to insert the metal latch at the lower end of the instrument;

(2) Push the screwdriver up and pry the metal clip down;

(3) Pull the instrument up and out of the guide

rail.

damage to the internal components. 3)The products have been strictly inspected and quality controlled before leaving the factory. If you find that the work is abnormal or suspect that the internal module is faulty, please contact the nearest agent or directly contact the company's technical support hotline.

1)Before power-on commissioning of the RS-485 splitter, it is necessary to

2)It is forbidden to use a megger to test the insulation between the terminals

of the splitter. If you want to check the insulation of the system circuit, you

should first disconnect the wiring of all signal isolators, otherwise it will cause

check again whether the input and output wiring and the polarity of the power

1) Wiring cables are single or multi-core cables with a section of 0.5 \sim

2.5mm², The length of the core stripped of the cable protective layer is about

Power supply and output

THERNOO

8.0

2) The terminal connection is secured by M3 screws.

3) Please refer to the terminal wiring diagram for connection.

4)Within 36 months from the date of delivery, any product quality problem during normal use shall be repaired by our company free of charge.

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Wiring

6~8mm.

Input

L'ILLIN

M3

Maintenance

supply and signal are correct.



TD-751X **RS-485** Splitter Instructions



NOTICE

- Please check the product packaging, product label model, specifications are consistent with the order contract;
- Please read this manual carefully before installation and use. If you have any questions, please contact our technical support hotline;
- The product need to installed in a safe place;
- 24V DC power supply for instrument, 220V AC power supply is strictly prohibited;
- It is strictly prohibited to disassemble and assemble the instrument without permission to prevent instrument failure or failure.
- The Company reserves the right to change the product without prior notice to the user. In case of any discrepancy between the contents of the instructions and the website, samples and other materials, the instructions shall prevail.
- Please scan the code for more product information and configuration software





Micro cloud

Baidu cloud disk

WWWBBBBB

TD-751X Splitter Instructions V1.1

TD-7514. When the communication cable of channel $0 \sim 3$ is reversed, the indicator of the corresponding channel is on.

Profile

TD-751X series RS-485 splitter isolates, amplifies and converts industrial field RS-485 signals into multi-channel RS signals, TD-7512 is one in two out, and TD-7514 is one in four out.

This product needs independent power supply, and adopts DIN35mm standard rail independent installation mode (optional bus power supply function), with input and output isolation.

Main Technical Parameters

Input

Number of Channels:1 Signal type:RS-485 digital signal Signal level rules:Standard RS-485 differential level

Transmission delay: $\leq 10 \mu s$

Baud rate: 300~230400bps(Self-adaptation) Transmission control mode:Half duplex (automatic transceiver switching) Communication distance:1200m(TYP)

Output

Number of Channels:2(TD-7512)/4(TD-7514) Signal type:RS-485 digital signal Signal level rules:Standard RS-485 differential level

Transmission delay:≤10µs

Baud rate: 300~230400bps(Self-adaptation) Transmission control mode:Half duplex (automatic transceiver switching) Communication distance:1200m(TYP) General Technical Parameters Power Supply:DC 24V,Voltage Range:DC 9~30V Current Consumption: <50mA

Current Consumption: \leq 50mA Dielectric Strength: 1500V AC/1 min (among input/output supply) Insulation Resistance: \geq 100M Ω (among input/output supply) Operating Temperature Range: -20~+55°C Electromagnetic Compatibility: In accord with GB/T18268.1(IEC61326-1) Suit for Field Equipment:Device with RS-485 interface

Operational environment

(1)The protection level of this device is IP20. Pay attention to environmental conditions (waterproof and small foreign bodies) when installing this device. It is suitable for installation in the control room or high-density instrument cabinet. The surrounding environment shall not have strong vibration, shock, large current and spark electromagnetic induction influence, the use of the environment shall not have serious corrosion of metal, plastic parts of harmful substances. It should not contain inflammable and explosive materials.

(2)This equipment is applicable to Class 2 pollution level and Class 3 voltage level environment determined by IEC/EN60664-1. If it needs to be used in areas with higher pollution levels, it is necessary to increase the response protection of the equipment.

(3)Storage temperature: -40°C~+80°C (No condensation or icing)
(4)Relative humidity:10%~90%RH

Wiring diagram



Indicator diagram



PWR/RXD is the power supply and the main channel indicator is steady on in normal condition and blinks when the main channel receives data (the indicator is off when the communication interval is less than 50ms and the communication line is reversed).

PWR RXD



receives data.

RXD1 Indicates the channel 1 indicator. The indicator blinks when channel 1 receives data.

- RXD2 Indicates the channel 2 indicator. The indicator blinks when channel 2
- **RXD3** receives data.

RXD3 Indicates the channel 3 indicator. The indicator blinks when channel 3 receives data.



Note: RXD2 and RXD3 exist only on