

ALIBUS, Series of intelligent lighting ALIBUS Relater

Installation and Use Manual V1.0

Acrel Electric Co., Ltd.

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catalogue

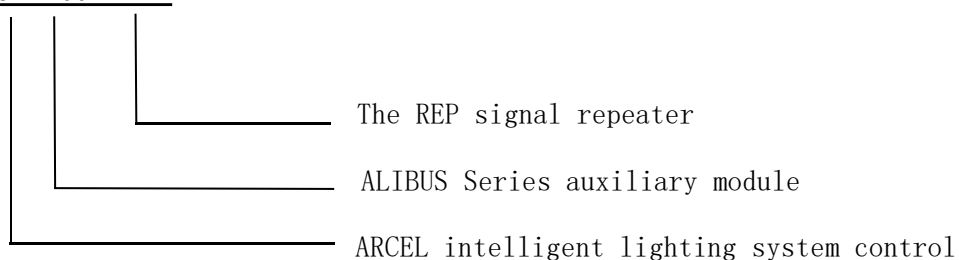
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1. summary

ALIBUS Repeater (hereinafter referred to as repeater), as the auxiliary part of ALIBUS intelligent lighting control system, has the function of amplifying signal, enhancing the stability of the bus, solving the signal attenuation problem of long-distance communication, can be used to extend the length of the bus. The repeater can also supply power to the back-end equipment through the ALIBUS2 port to avoid the long line and excessive equipment on the bus resulting to insufficient voltage, and the equipment can not operate normally. In the intelligent control of large public construction and building lighting, it plays the role of amplifying signals, extending the bus and supplying power to the back-end equipment to ensure the stability of the system control.

2. product model

ASL 200 - REP



3. technical parameter

Table 1: Technical parameters table

working power supply	DC24V
External connection	Super six-class shielding network cable
temperature range	Operating temperature: -5°C ~ + 45°C
	Storage temperature: -25°C ~ + 55°C
Environmental requirements	Maximum air humidity: 95%
Case protection grade	IP20
install	35mm guide rail type installation

4. Installation and wiring

4.1. Appearance and installation dimensions (in mm)



Figure 1 Diagram

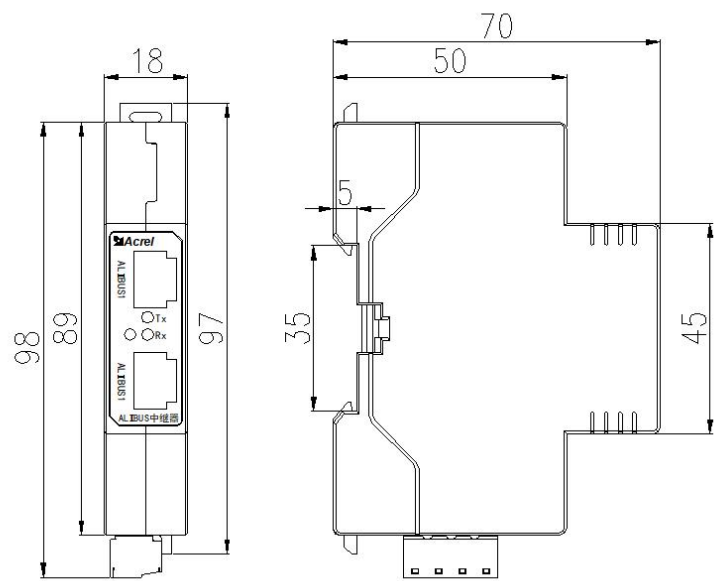
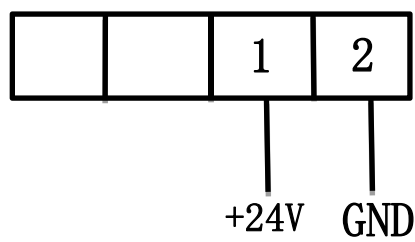


Figure 2. Outline dimensions

4.2. Description of the wiring terminal



4.3., Installation method

The repeater is suitable for guide rail installation, which only needs to card the converter into the

track and fix it with the buckle.

5. Use the operational guidelines

.1. 5ALIBUS port instructions

Table 2 Network port description table

appearance	name	act on	remarks
repeater	ALIBUS Interface # 1	Connect to a power supply bus	Using the standard RJ 45 interface, Super six-class shielding network cable
	ALIBUS Interface # 2	Access can be given after the bus Back-end equipment power supply	Using the standard RJ 45 interface, Super six-class shielding network cable

5.2. Description of the indicator light

Table 3 indicator light instructions

name	indicate	explain
TX	twinkle	Communication is normal
	Often bright	Front end bus congestion
RX	twinkle	Communication is normal
	Often bright	Backend bus congestion

5.3., Port description

The rated operating voltage of the repeater: DC24V, note the positive and negative polarity of the power supply.

6. Common fault analysis and troubleshooting

- If the wiring is completed, the communication is normal and the indicator is not on, please contact the manufacturer and supplier for replacement or repair.

7. matters need attention

- Before using the product, please check whether the appearance is in good condition. If there is damage, find the seller for replace in time.
- Wire correctly according to the instruction manual, and check carefully after the wiring to ensure that the correct wiring is completed.
- When wiring, please select the bus cable (super six type shielding network cable) that meets the ALIBUS interface (network port).
- In the process of product use, pay attention to moisture-proof, shock-proof and dustproof.
- Products are strictly prohibited to rain or contact with other liquids and corrosive gases, such as damp or liquid invasion, please dry treatment in time.
- For product installation, repair and replacement, please contact the professional maintenance personnel or our company.

Change the record

Revised edition	Revision time	Revised terms
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