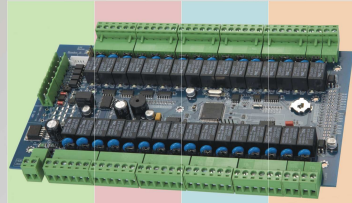


RS485 elevator accesscontroller

RS485 elevator access controller is one of RS485 access controllers which use standard 485 industrial COM port to communicate with PC with the distance as long as 1200 meters. One RS485 line can connect 255 pcs of RS485 access controller. Each panel has 32 output, and can connect an expansion panel, output control interface can be as many as 60 pcs and we can set NO or NC. Software is compatible with all of our network accesscontroller. This panel can be used to elevator access and locker access.



Reliability 10 years experience	Comprehensive network access control features	Standard protocols and interfaces	Quality 3 years' warranty
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Features

- Standard RS485 communication with multilevel lightning protection and surgeprotection.
- Big Flash memory to keep data for 10 years if no power.
- All of chips are imported to meet industrial demand and wide workingenvironment.
- All of inputs have optocoupler protection to ensure stable system.
- Each panel support 32 outputs, and support NO/NC and we can change NO/NC through software or jumper.
- Each panel can connect an expansion panel to reach 64 outputs.
- Each door's time zone has as many as 16 groups, and each group can choose different verification methods.
- Support 1st floor direct access mode.
- Support multi verifications: Card, card+PSW, PSW, double cards, free pass, door timer, timed alarm.
- Support remotely open or close.
- Support emergency door release input to realize fire alarm linkage or elevator's normal usage if emergency.
- Support 1st floor arrival signal output to activate the elevator button.
- Support many kinds of event alarm output like invalid card, invalid time, door alarm, or door open eventing protection.
- All of our access controllers are compatible with weigand protocol like26,34,37, and have optocoupler protection.
- Support the setting of each card's valid time.
- All of access control devices support RS485, TCP/IP controller's mixing installation.

Parameter

User: 30000
Event: 60000
Alarm event: 60000
Communication: RS485
Communication distance: 1200meters
Card reader: Weigand protocol
Door open method: Card, Card+PSW, double card, software, free pass, push button, door timer.

Standard interface

Card reader: 1
Control output: 32
Fire alarm input: 1
Elevator button: 32
1st floor arrival input: 1
RS485 communication: 1

Basic parameter

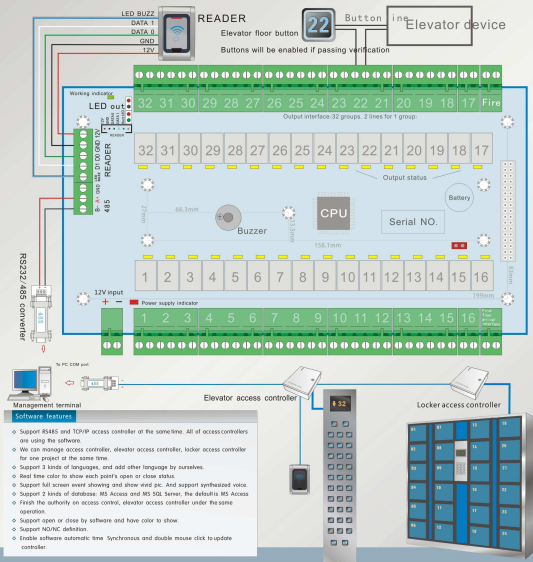
Panel size: 218*136*12mm
Panel color: Deep blue
Panel weight: 450g
Metal box size: 285*240*82mm
180*300*75mm
Box color: Black
Box weight: 1.4KG(bigger:2.4KG)
Working temperature: +60degree
Humidity: 30%-95%RH
Working voltage: 12V
Working current: <80ma
Rated power: <5W
Data protection (from power supply): 10years

Application area

Government, research institution,
Industrial and mining enterprises,
Intelligent building, office building,
Communication room,
Bank financial institutions, treasury,
Military installation, prison,
University, Hospital, hotel

RS485 elevator access controller wiring diagram explanation

1. We need elevator button to connect elevator. Choose them as per elevator button. Each 2 lines for one button, and the distance should be <5.53mm. (RS485 communication layer) suggest using 2 core (line diameter:0.5mm) shielded pair twisted pair to connect to access controller. In theory, the communication distance can be as long as 1200 meters. However, we suggest that the distance should be less than 600 meters if taking the environment into consideration.
2. How to install elevator controller.
3. We can set a 10 pin jumper on controller when power off. Set it out of jumper, and wait for 6 seconds, then power it, we can hear 2 sounds from buzzer, then power off. Plug the red jumpcard down controller. All of data in controller is cleared.
4. Open software, right click on controller icon to be installed—device—reset access controller.



- #### Management Manual
- ##### Software features
- Support RS485 and TCP/IP access controller at the same time. All of access controllers are using the software.
 - We can manage access controller, elevator access controller, locker access controller for one project at the same time.
 - Support 3 kinds of languages, and add other language by ourselves.
 - Real time color to show each panel's open or close status.
 - Support full screen event showing and show area etc. And support synthesized voice.
 - Support 2 kinds of database: MS Access and MS SQL Server, the default is MS Access.
 - Fetch the authority on access controller, elevator access controller under the same operation.
 - Support open or close by software and have color to show.
 - Support MFC detection.
 - Enable software automatic time synchronization and double mouse click to update controller.