Elevator controller user manual

Version: 1.0

Date: 2010-01-19
Features:

485 elevator controllers use standard industrial serial port communication, and the communication distance can be as long as 1200 meters, each line can connect 255 pcs of devices. Elevator controller can work with our access controller in one software, easy to manage.

- Standard 485 communication (baud rate)
- Flash chip with huge capacity, 8000 card information, 20000 records, 10000 alarm event logs.
- 32 pcs of input, 32 pcs of output.
- Each panel can connect 3 expansion panel, realizing as many as 128 inputs, and 128 outputs.
- Each input can be defined as door sensor or button input
- The first button can be defined as fire alarm input.
- Output can be defined as NO or NC.
- Door opening time zone can be 16 groups and we can set multi verification methods like card, card+PW, PW, double card, first card opening door.
- Support many kinds of alarm event output like invalid card, invalid time, door alarm, door open overtime.
- Support remote door open or close.
- Support real time.
- Working with other 485 or TCP/IP controller.
Software features

- Support 400 and 1C"IP controllers, all of our access controllers use same software.
- Have all of functions that professional access control software possesses.
- Multi-language is possible. Customer can add new language easily.
- Real-time color show each point's status
- Support record viewing in full screen, and show user photo. And support sound in record.
- Support two databases: MS Access and MS SQL server. MS Access as default.
- Support the authority on access controller, IR controller, locker controller under the same operation.
- Support operations through software.
- Support PC or nu antenna or random antenna output.
- Start up software time synchronization, just click mouse two times to update controllers.
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>228mm × 144mm × 22 mm</td>
</tr>
<tr>
<td>Memory</td>
<td>512K Flash</td>
</tr>
<tr>
<td>WG reader</td>
<td>Wiegand reader</td>
</tr>
<tr>
<td>Output interface</td>
<td>32 pcs of output can be defined as door sensor or release button</td>
</tr>
<tr>
<td>Input interface</td>
<td>32 can be defined as door sensor or release button</td>
</tr>
<tr>
<td>Expansion</td>
<td>Support three expansion panel, reaching 128 inputs and outputs.</td>
</tr>
<tr>
<td>Communication</td>
<td>485 baud rate 9600</td>
</tr>
<tr>
<td>Time zone</td>
<td>16 time zone, support valid data 16</td>
</tr>
<tr>
<td>Verification</td>
<td>Card, card+PW, double card, PW, first card opening</td>
</tr>
<tr>
<td>Door keeping open time</td>
<td>1 − 65535 sec.</td>
</tr>
<tr>
<td>Door open overtime</td>
<td>1 − 255 sec.</td>
</tr>
<tr>
<td>Event output</td>
<td>2 interfaces</td>
</tr>
<tr>
<td>Alarm event</td>
<td>Door alarm, invalid card, invalid time, door open too long</td>
</tr>
<tr>
<td>Alarm time</td>
<td>1 − 65535 sec. or no limitation</td>
</tr>
<tr>
<td>Fire alarm</td>
<td>Can set the first input as fire alarm input</td>
</tr>
<tr>
<td>Card capacity</td>
<td>54000</td>
</tr>
<tr>
<td>Card events</td>
<td>60000</td>
</tr>
<tr>
<td>Alarm logs</td>
<td>10000</td>
</tr>
<tr>
<td>Offline</td>
<td>Support</td>
</tr>
<tr>
<td>Holiday</td>
<td>Support</td>
</tr>
<tr>
<td>Remote operation</td>
<td>Support</td>
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</tbody>
</table>
Basic operation procedures

1 Install software
2 Log into software
3 Serial port communication management.
4 Open elevator controller device management—add elevator controller—input serial no, connect controller and communicate.
5 Choose elevator controller parameters—add new pass time.
6 Update elevator controller parameters.
7 Define access control authority.
8 Personal management—add user—dispatch card—edit authority
9 Download card data
10 Checking data.

Note: The steps in red color must be executed.
Elevator controller device management

After logging into access control software, we can manage all of access control devices. Elevator controller management interface:

Right click on 485 serial port icon—add elevator controller. Then software will automatically show elevator floors.
Set parameters

During shielding, software will not communicate with controller, also cannot data transport.

Higher level option:
The following is the procedure of how to set from A-C

1. Add new controller.

2. Set time zone and according verification methods.

3. Set authority (through here, we shall set different authorities for different people who can access to which floor, we like) For example, we like a authority that people can access to 1, 20\textsuperscript{th}, 32\textsuperscript{th} floor. Then we can add a new authority and name “access to 1, 20\textsuperscript{th}, 32\textsuperscript{th} floor” and choose 1, 20\textsuperscript{th}, 32 floor as green color and choose according pastime (we set in last step).
1. If we only like some persons who can access to 1, 20th, 32th floor. Then we set this authority and choose the according floor; the chosen floor will become green.

2. We also should choose the pass time with the verification methods we like to use.

4. 5 steps are to dispatch card and authorities that we like who can access to which floors at what verification methods.

4. Register new user.
Give personal authority (who can access to the designated floor(set in the new authority and at what verification methods)
6. send data to controller

7. events