ACP-EC10

Elevator Controller

The ACP-EC10 (Elevator controller) and EX16 (Elevator Extension Board) are used for elevator control applications. The system controls the elevator floor button(s), based on the user's access credentials.

After a valid card read or fingerprint scan, the system will activate the necessary floors based on the assigned privileges. For example, Tom has access privileges to floors 3 and 10 in the software. If Tom attempts to push any other floor after a valid read, the system will take no action. Tom will only be allowed to push buttons 3 and 10.
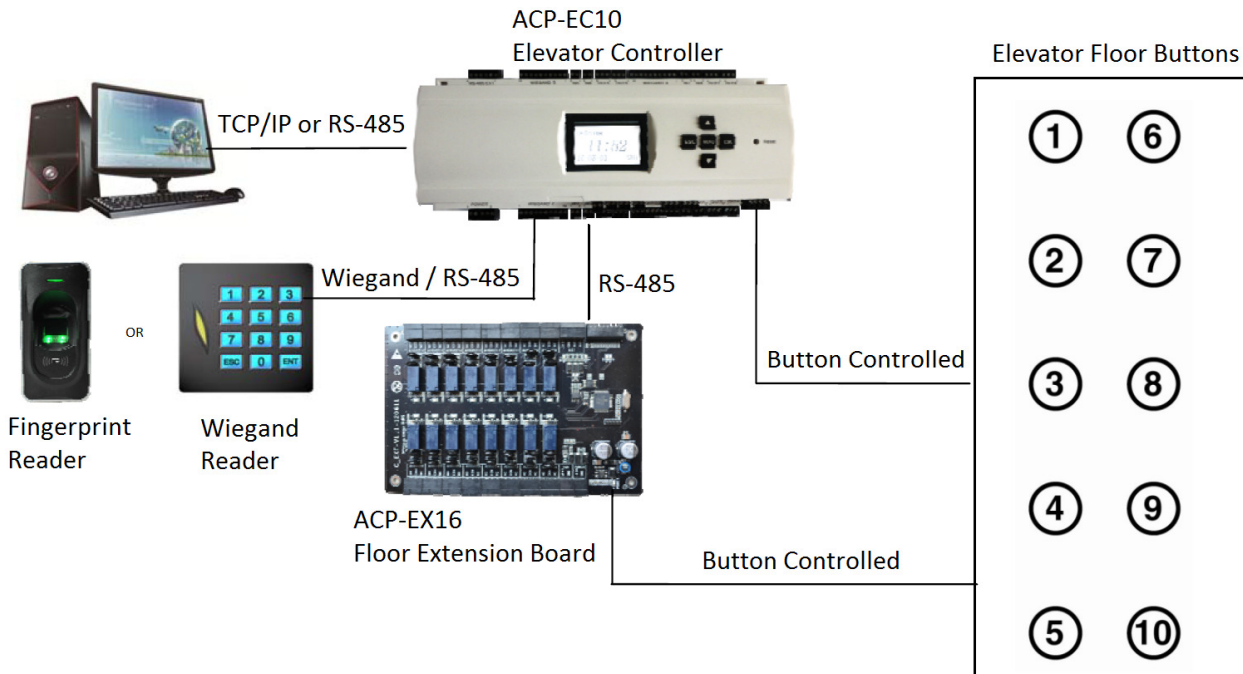
ACP Hardware (Advanced Access Control):

The ACP series hardware is built on a flexible, open technology to provide management, real-time monitoring and control of your access control system using IS2000.
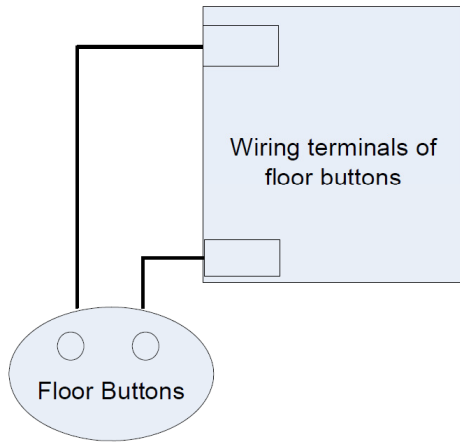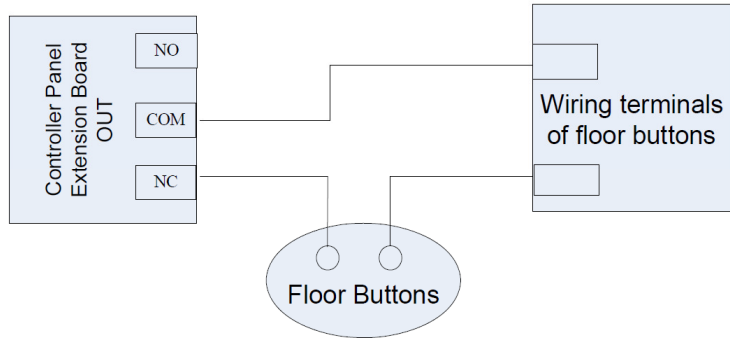
Advanced Access Control Built-In:

Anti-Passback, First-Card Opening, Multi-Card Opening, Duress Entry, and more are built into controller firmware and programmable through IS2000.

ACP-EC10
Elevator Controller

Elevator Floor Buttons

TCP/IP or RS-485

Wiegand / RS-485

RS-485

Button Controlled

Fingerprint Reader

OR

Wiegand Reader

ACP-EX16
Floor Extension Board

Button Controlled

① ⑥
② ⑦
③ ⑧
④ ⑨
⑤ ⑩

Normal elevator Wiring Diagram

Elevator control system Wiring Diagram

Specifications

Capacity
Users: 30,000
Fingerprint Templates: 3,000
Floor Button Control Relays: 10 (expandable to 90)
Supported Extension Boards: 5

Event Buffer: 100,000 transactions

Output Relays
10 Form-C Relays- SPDT 5A@36VDC or 8A@30VAC

Communication
Ethernet and RS-485

LED Indicator
Indication for communication, power, status and prox card

Power
Event Buffer: 12V DC, 12V DC, 3A

Environment
Operating Temp: 32-113 °F (0-45 °C)
Operating Humidity: 20% to 80%