Accio-8
Standalone 4-8 door / lift controller with 12 V PSU

Product overview

The Accio-8 is a full blown standalone 4-8 door & lift controller. It provides for a complete and versatile access control solution with advanced access control functions. It provides complete real time access control for four up to eight doors or lifts, with power supply and housing. The Accio door/lift controller can operate off-line with no degradation in performances, should communication with the Advisor Management application fail as it offers full offline operation. Door and lift control can be used in one single door controller by configuring doors to lifts.

Expanders

Expanders are used to expand the number of inputs in the Accio-8 controller. Expanders provide for both inputs and outputs/relays to be connected at a location remote from the Accio-8 controller. Detectors, door contacts and other detection devices are connected to expanders that report any change of state to the control panel for processing. Available expanders include support with and without additional power supply.

Special features

Besides standard access control options the solution offers special features like anti-passback, user counting or interlocking used typically in more demanding security applications.
The lift functionality offers a solution where lift floor buttons can be controlled by access levels of users. Outputs referring to floors for that lift will switch to only allow press the button for the allowed floors.

Security

The Accio-8 has been designed with focus on security by proving fully encrypted communication between the controller and management application and between the card and readers as well as between readers and the Accio-8 controller (using ATS secure readers or OSDP). In other words, Accio-8 provides communication security from card to software.

Connectivity

The Accio-8 is connected to readers and expander through a RS485 bus. Alternatively also OSDP readers can be connected, like the ACI42x range of readers.
The connection to the user management or Advisor management is through a direct IP connection.

Management

The Accio-8-kit-1 includes a user management application that provides means to configure users and access rights to doors for these users for up to 16 doors (or 2 x Accio-8).
Advisor Management is an alternative that will allow more doors, but also connectivity to other devices like intrusion panels, video

Details

- Real time access control for 4-8 doors / lifts
- Complete database for offline operation
- Standalone solution, not requiring any intrusion control panel as master
- Any door can be configured as lift: use both together in one controller
- Full access control features: interlocking, user count, anti-passback with regions
- Up to 65532 users with card and/or PIN
- Up to 32 readers per controller and 6 per door
- Two local databuses with configurable protocol
- Supporting Secure readers, OSDP readers and wireless locks
- On board inputs, door relays, IP connection and expansion options
- Extended mode operation: access control users managed by Advisor Management

recorders, fire systems and more.

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Technical specifications

General

Expander type	Door controller
Product line	Standalone
Connection type	IP (to Advisor Management)
Specified cable	WCAT52 / WCAT54 or equivalent

System

Users	more than 2000
PIN codes	All
Door groups	50,000
Timezones / holidays	1000
Addressing	DIP Switches
End-of-line resistor	Selectable

Inputs

Total	64
Onboard	8
Expandable	56

Outputs

Total	128
Onboard	4
Expandable	124
Type uitgangen	Relays/Open Collector
Relays	4
Maximum number of outputs	128

Backup

Battery type	Up to 26 Ah Max 18 Ah in housing
Dynamic battery testing	Supported

Electrical

Power supply type	230 VAC
Power supply value	230 VAC +10%, -15%, 50 Hz
Power consumption	3A at 13.8 VDC
Current consumption	251 mA (incl Ethernet)
Integrated power supply	Yes

Physical

Physical dimensions	409 x 593 x 112 mm
Colour	Beige
Material	Steel (painted)
Housing	Metal

Environmental

Operating temperature	0 to +50°C
Storage temperature	-20 to +80°C
Relative humidity	93% noncondensing
Environment	Indoor
IP rating	IP31

Regulatory

Compliancy	CE
Certification	CE