CDC4-EN-MBC

Intelligent 4-8 door / lift controller with 12 V PSU, EN50131 approved, 4 Wiegand inputs motherboard card

Product overview

The CDC4-EN is a 4-8 door & lift controller. It provides for a complete and versatile access control solution to extend the Advisor Advanced and Axon system with advanced access control functions. It provides a complete integrated real-time alarm and access control system for four up to eight doors or lifts, with power supply and housing. A total of 12 door/lift controllers can be connected to an Advisor Advanced or Axon panel providing for a total of 48 up to 96 full access doors. The CDC4-EN door/lift controller can operate off-line with no degradation in performances, should communication with the Advisor Advanced panel fail as it offers full offline operation. This combined intrusion and access solution reduces wiring and required devices as the same devices like readers and inputs can be used for both purposes. Being EN50131 and NFa2p approved the inputs and power supply for door contacts and detectors can be used as part of an approved intrusion system.
Door and lift control can be used in one single door controller by configuring doors to lifts.

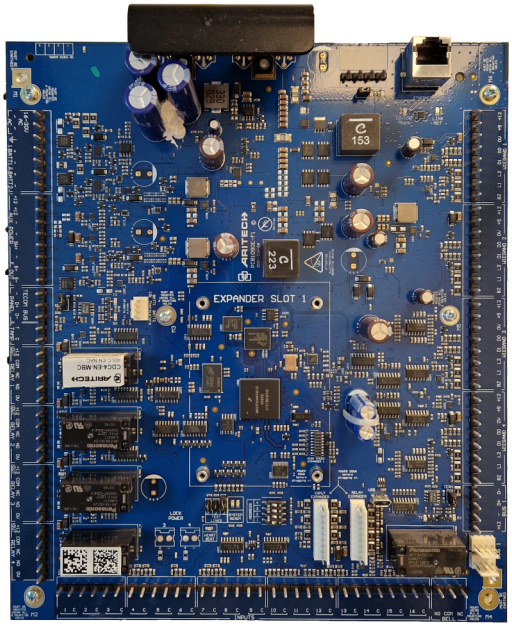
The CDC4-EN provides for the same size and connector arrangement as the ATS1250, including 4 Wiegand interfaces. This provides the most cost effective and easiest method to upgrade an older ATS1250 in an Advisor Advanced system, or when upgrading and ATS Master with ATS1250's to a current system where the ATS Master is replaced by Advisor Advanced or Axon panel.

Expanders

Expanders are used to expand the number of alarm inputs in an Advisor Advanced and Axon system. Expanders allow inputs and outputs/relays to be connected at a location remote from an Advisor Advanced or Axon panel. Expanders communicate via poll & reply messages. 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 for conventional devices, wireless devices as well as intelligent addressable devices. A special expander is available providing expansion of four to eight intelligent doors or lifts.

Special features

Besides standard intrusion and access control options, the solution offers special features that are only possible due to the true combination of both. These features vary from changing security on doors when the intrusion area has disarmed, locking doors when the intrusion area arms, preventing access based on the intrusion area status or starting automatic arming when the last user has left an access control region. Special access control features include High Secure users for high secure areas like vaults, support for macro's to complement the standard features.
The lift functionality offers a solution where lift floor buttons can be controlled by access levels of users. Outputs referring to floors for that



Details

- Real-time.alarm & access control on 4-8 doors / lifts per controller
- Approved for EN50131-3 and EN50131-6, NFa2p for use in intrusion systems
- Complete database for offline operation
- Up to 12 CDC4-EN door controllers providing 48 to 96 intelligent doors or lifts
- Any door can be configured as lift: use both together in one controller
- Full access control features: interlocking, user count, high secure users, anti-passback with regions
- Up to 65532 users with card and/or PIN
- Up to 32 readers per CDC4-EN and 6 per door
- Two local databuses with configurable protocol
- Supporting Secure readers, OSDP readers and wireless locks
- On board inputs, 4 Wiegand interfaces, door relays, IP connection and expansion options
- Extended mode operation: access control users managed by Advisor Management
- Anti-passback between all door controllers in standard mode connected to Advisor Advanced or Axon
- Excellent upgrade for ATS1250 with same size, mounting, connectors & power supply

lift will switch to only allow press the button for the allowed floors.

Security

The CDC4-EN has been designed with focus on security. Not only proving fully encrypted communication between the controller and management application, but also between the CDC4-EN controller and the Advisor Advanced or Axon panel, between the card and readers as well as between readers and the CDC4-EN controller or the Advisor Advanced or Axon panel. In other words, CDC4-EN provides communication security from card to software.

Connectivity

Any CDC4-EN can operate in two modes. Depending the mode selected the CDC4-EN is controlled completely through the Advisor Advanced or Axon panel providing four doors or lifts per CDC4-EN which is named the standard mode. In standard mode the CDC4-EN behaves like legacy door controllers providing the same features and user data for the door controller and the Advisor Advanced or Axon panel.
In extended mode the CDC4-EN is also configured through the Advisor Advanced panel using the ATS8500 or ATS8550 downloader. Even in extended mode the CDC4-EN exchanges intrusion information with the Advanced panel. In extended mode however the CDC4-EN is also directly connected via IP to Advisor management for configuration of access and intrusion users while providing support of up to 8 doors or lifts per CDC4-EN. Advisor Management sends intrusion related user data to the Advisor Advanced panel and access related data directly to the CDC4-EN.
Extended mode is not yet supported on Axon control panels.

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Technical specifications

General

Expander type	Door controller
Product line	Advisor Advanced, Axon
Connection type	RS485 (to Axon/Advisor Advanced), IP (to Advisor Management)
Compatibility	Axon, Advisor Advanced (not Advisor Master)
Max. distance from panel	1.5 km using advised cable
Max. per panel	Up to 12, depending on intrusion panel
Specified cable	WCAT52 / WCAT54 or equivalent

System

Users	Up to 65532
PIN codes	All
Door groups	128 to 50,000
Timezones / holidays	24 to 1000
Addressing	DIP Switches
End-of-line resistor	Selectable

Inputs

Total	32 for intrusion use
Onboard	16
Expandable	16 for intrusion use

Outputs

Total	16 for intrusion use
Onboard	4
Expandable	8
Type of outputs	Relays/Open Collector
Relays	5
Maximum number of outputs	128
Siren outputs	1

Backup

Battery type	7.2 - 36 Ah
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 + 700 mA battery charging
Current consumption	225 mA (incl Ethernet, no relay coils active)
Integrated power supply	Yes

Physical

Physical dimensions	219 x 255 x 47 mm

Environmental

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

Regulatory

Compliancy	CE
Certification	CE, EN50131 Grade 3

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