DIGIlock-DX/CR+

- Encrypted DESfire & MIFARE proximity reader
- Reading range up to 4cm
- Designer enclosure
- User configurable interface
- RS485 IBB interface
- 2 Digital Inputs
- 2 LED bar status indicator
- Integrated buzzer
- Coded relay interface with encryption

DIGIlock-DX/CR+   Encrypted Proximity Reader

DIGIlock-DX is an advanced encrypted DESFire & Mifare reader with authentification and encryption of data cards.

The outstanding design features a bottom part, which includes a plug-in connector for the upper part with the reader electronic. So all the installation can be done with the bottom part and only when everything is finished and the building construction is finished the upper electronic part can be plugged in and fixed with just one security screw. The very slim upper edge prevents to the reader to get dirty.

The LED-signalling layout with a green arrow for access granted and a red bar for no access can be read also by colour-blind people. Blinking green shows that the door remained open, red blinking tells bad or illegal card. An additional buzzer warns if the door is still open after a while.

The ATS DESFire reader works with an external IBB baud rate of 56kB and reader frequency of 13,56Mhz, A unique serial number enables the host configuration of a bus ID in the range between 1 to 120. As a standard Mifare set-up, only block 12 is used for reading distributor, company ID and card number data's. All other sectors could be used for other function or third party application. On special request the reader could also be configured to read a different ATS encrypted sector. As a DESFire set-up only one ATS record is used.

The antenna geometry is optimised to read ISO card format, but could also be used to read other tokens like key ring with a shorter reading distance. The reading distance of up to 4cm depends on surrounding and card quality. All standard DESFire, Mifare und Mifare-plus cards could be used after encoding with the encrypted DIGIlock-WM encoding station.
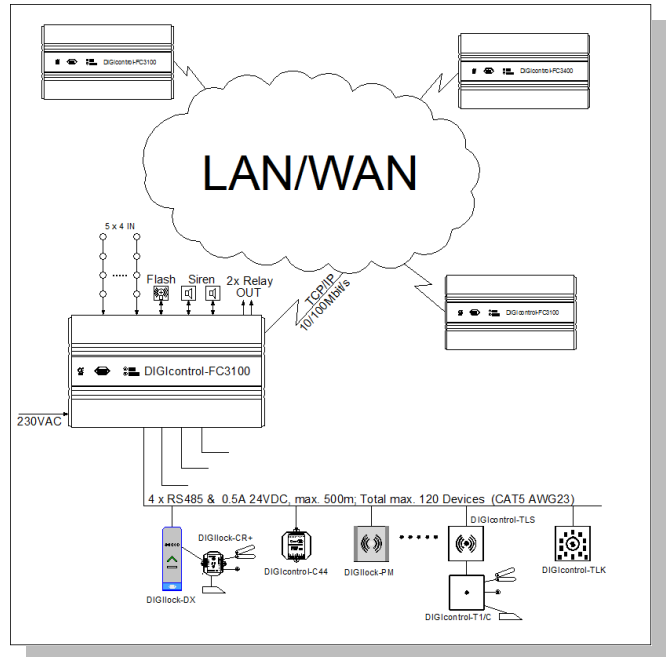
DIGIid-IHT encrypted MIFARE ISO-card
DIGIid-IDT encrypted DESFire ISO-card

Up to 100 readers, to control up to 50 doors could be connected with a single cable to an FCxxx floor controller.

DIGIlock-CR+ is an intelligent door interface with one Relay for lock control, two monitored inputs for magnet contact, egress button or handle contact and a service input for reader authorisation. Installed on the save side of the door, it communicates after authorisation and encryption key exchange with the readers special coded relay interface.

Technical Data

DIGIlock-DX:
CMOS microprocessor with encryption algorithm
5- 40mm reading distance
2 LED bars for access right display
Integrated buzzer
1 IBB-Bus Interface
1 Coded relay interface
2 digital inputs
Temperature range: -10° to +50°C
Dimensions: W45 x H160 x D21 mm
Power: 10,5-23VDC / 90 mA

DIGIlock-CR+:
CMOS microprocessor with encryption reader interface
1x Relay output for lock control
2x monitored inputs for door monitoring, egress button, …
1x digital input for reader authorisation after installation
Dimensions: Ø60 x H 21mm (fits in DIN-switch box
Power: 10,5-23VDC / 30 mA max.
Temperature range: -10° to +50°C

Delivery Contents:
DIGIlock-DX (packs of 10) complete with installation and wiring instructions.
DIGIlock-CR+ (packs of 10) complete with installation and wiring instructions.

Variations:
DIGIlock-PM   As DIGIlock-DX but in a square housing
DIGIcontrol-TD   As DIGIlock-DX but with glass light switch design

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