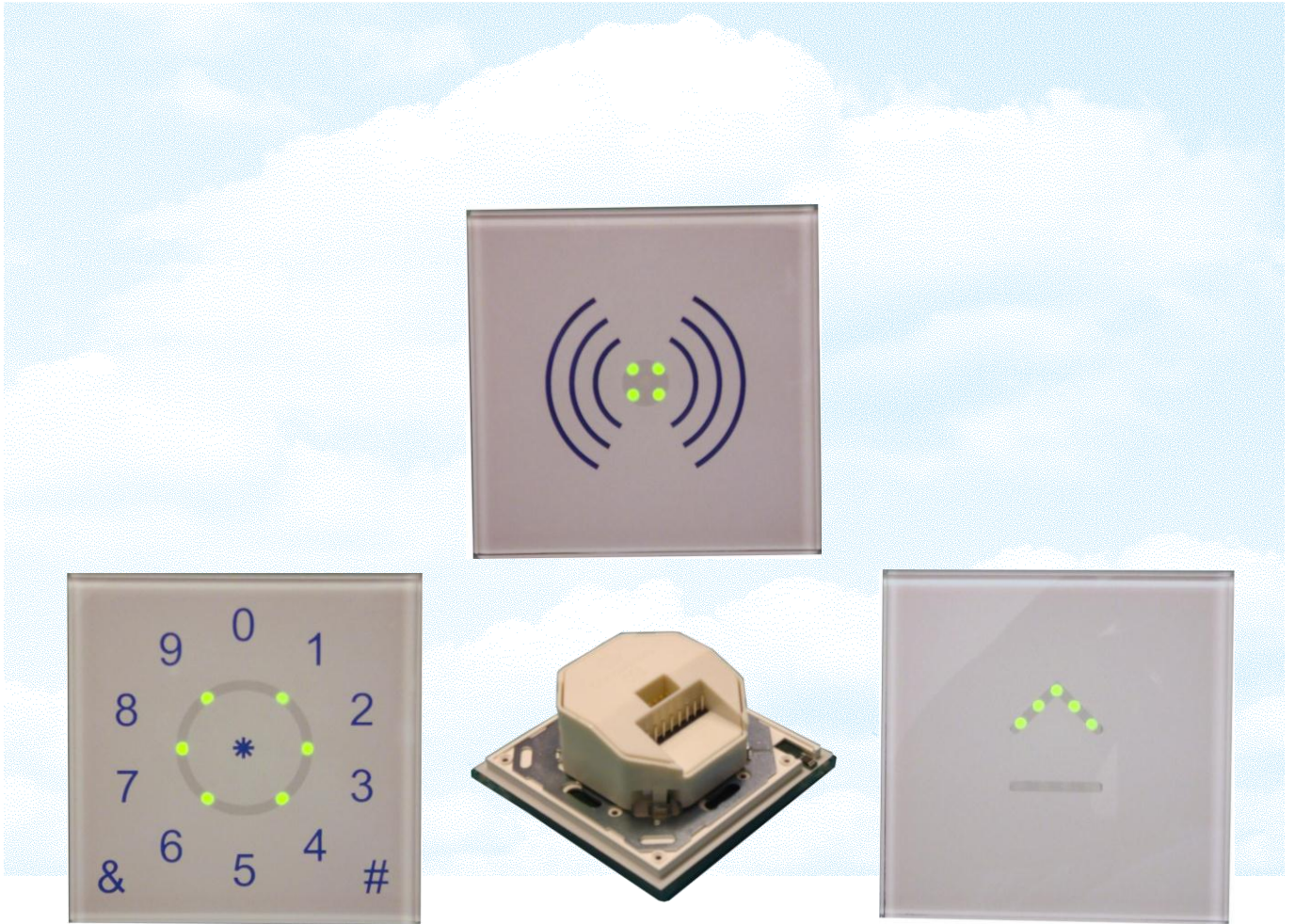


Access control

Encrypted proximity reader



DIGIcontrol-TD/-TDS/-TDK

- Encrypted Mifare/DESFire proximity reader
- Reading range up to 4cm
- Light switch enclosure
- Numeric touch keypad
- RS485 IBB interface
- 2 Digital Inputs
- 2 colour LED status indicator
- Integrated buzzer
- Coded relay interface
- Temperature sensor

DIGIcontrol-TD/TDS/TKD

Encrypted Proximity Reader

DIGIcontrol-TD is an advanced encrypted Mifare / DESFire reader with authentication and encryption of data cards. The outstanding glass surface design with touch sensor technology in a light switch form factor allows an easy installation in a standard light switch DIN-Box. The glass only front ensures an easy cleaning and long lifetime without any symptoms of age.

Removable connectors on the back box featuring an easy installation to interface with the **Intelligent Building Bus (IBB)** and a coded relay module **DIGIlock-CR+** or slave light switch with coded relay function **DIGIcontrol-T1/C**.

An integrated emergency memory can be used to program access for 15000 cards into the readers EEPROM to allow access to certain cards in case of line failure or offline operation. Two supervised digital inputs can be used for door contact, alarm inputs, egress button or for a slave light switch.

The LED-signalling layout with a green arrow for access granted and a red bar for no access could be read also from 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.

DIGIcontrol-TDS features an additional touch sensor to be used as light switch and a temperature sensor to regulate or monitor the room temperature.

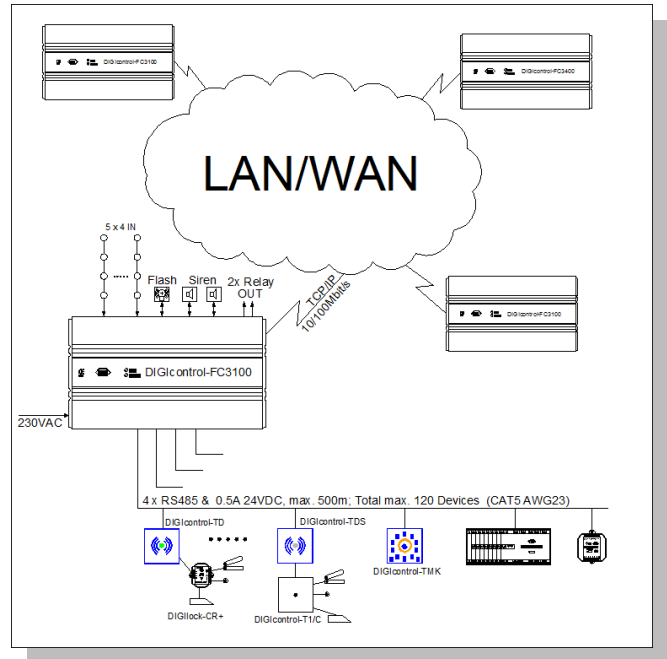
DIGIcontrol-TDK features an additional numeric touch keypad with three special functions.

The ATS Mifare/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 and 120. As a standard set-up, an ATS application with File1 is used for reading distributor, company ID, valid time and card number data's, with a 3DES encryption. Except 128 Bytes used for the ATS application & file system; the card can be used for other application with different encryption keys.

The reading distance of up to 4cm depends on surrounding and card quality. All standard Mifare/DESFire cards with up to 2kB could be used after encoding with the DIGIlock-WM encoding station.

Up to 100 readers, to control up to 50 doors could be connected with a single cable to an FC3xxx 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

DIGIcontrol-TD:

CMOS microprocessor with encryption algorithm
5- 40mm reading distance
2 LED bars for access rights display
Integrated buzzer
1 RS485 **Intelligent Building Bus (IBB)** to floor controller
1 Coded relay interface
2 digital inputs
Temperature range: -10° to +50°C
Out wall Dimensions: W82 x H82 x D8,5 mm
Power: 10,5-23VDC / 65 mA

Variations:

DIGIcontrol-TDS As DIGIcontrol-TD but with additional touch light switch input and room temperature sensor $\pm 0,5^{\circ}\text{C}$

DIGIcontrol-TDK As DIGIcontrol-TD but with numeric touch keypad

Delivery Contents:

DIGIcontrol-TD complete with installation and wiring instructions.

Options:

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: $\varnothing 60$ x H 21mm (fits in DIN-switch box)
Power: 10,5-23VDC / 30 mA max.
Temperature range: -10° to +50°C

Information contained in this document is correct at time of publication (160214) and subject to change without notice.

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