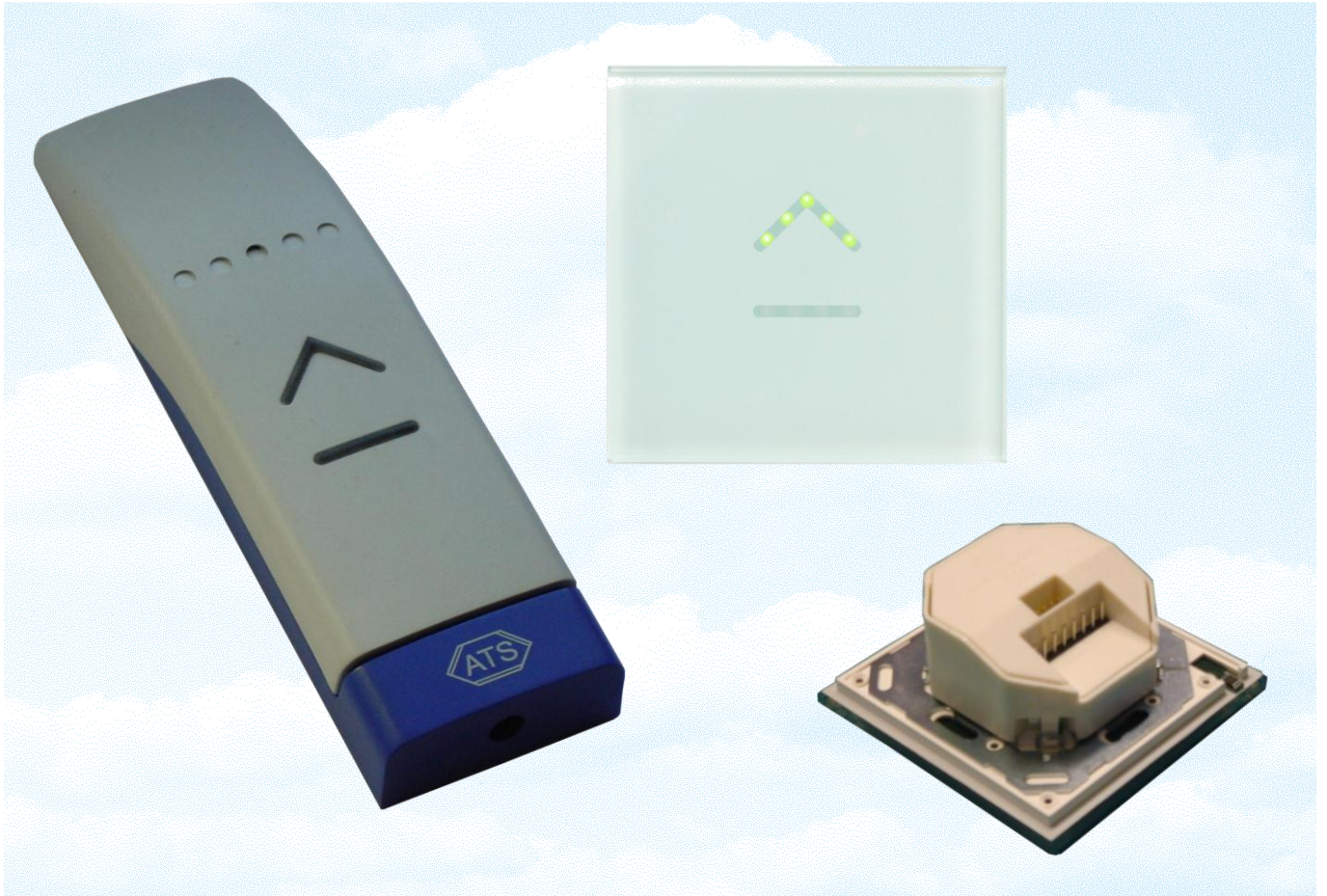


Access control

Encrypted proximity reader



## **DIGIllock-AX/-UX /-TAX**

- Encrypted 125kHz proximity reader
- Reading range up to 12cm
- Designer enclosure
- RS485 IBB interface
- 2 Digital Inputs
- 2 LED bar status indicator
- Integrated buzzer
- Coded relay interface with encryption
- Online or 15000 cards standalone operation
- Optional Wiegand interface (-AX/-UX only)

# DIGIlock-AX/-UX/-TAX

**DIGIlock-AX** is an advanced encrypted reader with authentication and encryption of data cards. The very slim upper edge prevents the reader to get dirty. 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 including the building construction is finished the upper electronic part can be plugged in and fixed with just one security screw.

The outstanding glass surface design of the **DIGIcontrol-TAX** version in the famous ATS glass reader design, 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**.

Integrated emergency memory can be used to program access for 15000 cards into the readers EEPROM to allow access for certain cards in case of line failure or offline operation.

Two digital inputs can be used for door contact, alarm inputs, egress button or for a slave light switch.

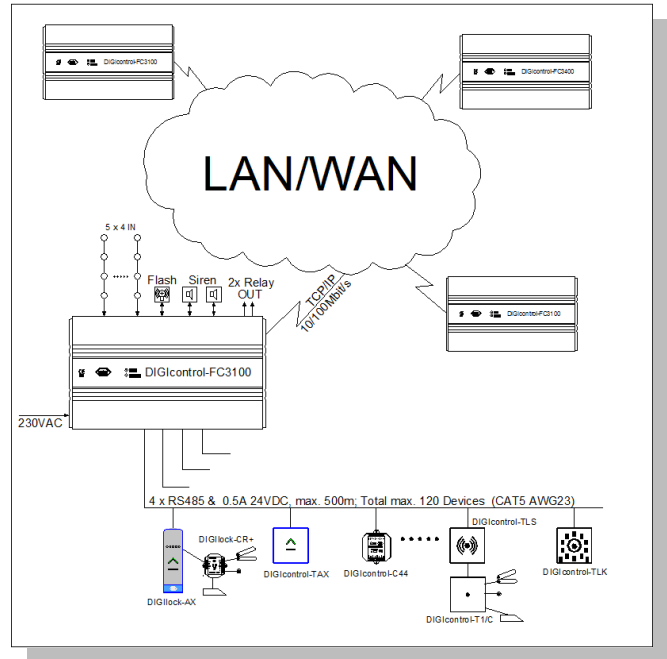
The LED-signalling layout with a green arrow for access granted and a red bar for no access could be read also from colour-blind people. Blinking green shows that the door remained open, red blinking tells bad or illegal card. An additional buzzer warns if the door is still open after a while.

The ATS reader works with an external IBB baud rate of 56kB and reader frequency of 125kHz. A unique serial number enables the host configuration of a bus ID in the range between 1 and 120. Card contains distributor, company ID and card number data's, with a special ATS encryption. The reading distance of up to 12cm depends on surrounding and type of tag.

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

A Wiegand interface version for use with other non ATS-Systems or for the older ATS door controllers is available with the DIGIlock-AX & -UX reader on request. In this case the inputs are used to control the LED's and the buzzer.

# Encrypted Proximity Reader



## Technical Data

### DIGIlock-AX:

- CMOS microprocessor with encryption algorithm
- 5-12cm reading distance
- 2 LED bars for access right 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
- Dimensions: W45 x H160 x D21 mm
- Power: 10,5-24VDC / 71mA max.

### Delivery content:

DIGIlock-AX, UX or DIGIcontrol-TAX (packs of 10) complete with installation and wiring instructions.

### Variants:

#### DIGIlock-UX:

Same as DIGIlock-AX but with without encryption

#### DIGIcontrol-TAX:

Same as DIGIlock-AX but with DIN-Box glass switch design  
Dimensions: W82 x H82 x D8,5(+25) mm

### Options:

#### DIGIlock-CR+:

- CMOS microprocessor with encryption reader interface
- 1x Relay output for lock control
- 2x supervised 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 / 44 mA max.
- Temperature range: -10° to +50°C

Information contained in this document is correct at time of publication (250211) and subject to change without notice.

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