

ID RW02

RFID CARD READER FOR ACCESS CONTROL SYSTEMS

- Multi-tag card reader for all common 125 kHz transponders (e. g. NXP HITAG, EM Read Only)
- RS232 and Data / Clock interface (Wiegand) or RS485
- Suitable for indoor- and outdoor use (IP54)



ID RW02.10-AD / -B is designed as a wall-mounted device for contactless data exchange with common 125 kHz transponders for applications like access control and time attendance.

For power supply an external power supply unit is necessary, data exchange with a computer or other equipment is carried out via a serial (RS232 or RS485) or a Data / Clock interface (Wiegand).

RFID CARD READER FOR ACCESS CONTROL SOLUTIONS

LF wall-mounted reader with serial interface and Data / Clock interface

Technical data

Dimensions (w x h x d)

Card Reader 84 mm x 84 mm x 22 mm

Wall-mounted housing 78 mm x 78 mm x 18 mm

Weight approx. 150 g

Housing

Corpus Plastic (ASA)

Front Acrylic glass

Color

Corpus white

Front black

Protection class IP54

Operating frequency 125 kHz

MTBF 307,000 h

Supply voltage 12 – 24 V AC/DC

Current consumption max. 2.5 W

Supported transponders 125 kHz Read Only transponders¹⁾
125 kHz Read / Write transponders²⁾

Antenna integrated, approx. 70 mm x 70 mm

Interfaces

ID RW02.10-AD RS232 and Data / Clock (Wiegand)

ID RW02.10-B RS485 (max. 32 devices / data bus)

LED Bicolor (red / green / orange)

Buzzer integrated

Relay 1 closer

Digital inputs 2 (max. cable length 3 m)

Read range max. 7 cm³⁾

Operation modes Polling-Mode & Auto-Answer-Mode

Temperature range

Operation -25 °C up to +70 °C

Storage -40 °C up to +85 °C

Relative air humidity max. 95 % (non-condensing)

¹⁾ For example ID CTxA, H4001, H4002, H4022, H4102, Unique, Q5, e5555 etc.

²⁾ For example ID DTxB, ID DTxC, HITAG 1, HITAG S etc.

³⁾ Read ranges depend on the used transponders; here made statements relate on an inlet size of 76 mm x 45 mm (3.00 in x 1.78 in)

Standard conformity

Radio license

Europe EN 300 330

EMC EN 301 489

Safety & Health EN 62368-1, EN 50364

Environment RoHS-2002/95/EC, WEEE-2002/96/EC



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Order description

ID RW02.10-AD/-B RFID Card Reader

Scope of delivery

Card Reader ID RW02.10-AD or ID RW02.10-B
Wall-mounted housing for surface mounting
Installation manual