

ID CPR02.10

## RFID CARD READER FOR ACCESS CONTROL SYSTEMS

- Surface mounting & Flush mounting
- Multi-tag card reader for ISO-14443-A / B and ISO 15693 transponders
- Supports NFC-Applications
- Suitable for indoor and outdoor use (IP54)
- Serial Communication  
(RS232, RS485, Data / Clock [Wiegand])



The ID CPR02.10-AD / -B is designed as a wall mountable card reader for contactless data exchange with common ISO 14443-A & -B and ISO 15693 Transponders. Typical applications are Access Control and Time Attendance.

The card reader requires an external power supply. For the data exchange to a computer or Host system the following communication links are available: Serial (RS232 or RS485) or Data / Clock (Wiegand).

# RFID CARD READER FOR ACCESS CONTROL SYSTEMS

Wall-mountable reader with several interfaces for ISO 14443 and ISO 15693 transponders

## 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 / 5.3 oz

### Housing

Corpus Plastic (ASA)

Front Acrylic Glass

### Color

Corpus white

Front black

**Protection class** IP54

**Operating frequency** 13.56 MHz

**RF power** 250 mW  $\pm$ 2 dB

**MTBF** 338,000 h

**Supply voltage** 12 – 24 V AC/DC

**Power consumption** max. 2.6 W

**Supported transponders** ISO 14443-A<sup>11</sup>, ISO 14443-B<sup>12</sup>, ISO 15693<sup>13</sup>, NFC<sup>14</sup>

**Antenna** integrated, approx. 70 mm x 70 mm

### Interfaces

ID CPR02.10-AD RS232 and Data / Clock (Wiegand)

ID CPR02.10-B RS485 (max. 32 units on one Bus System)

**LED** Multi-color (red/green/orange)

**Buzzer** integrated

**Relays** 1 (only ID CPR02.10-B)

### Digital inputs

ID CPR02.10-AD 3 (max. 3 m / 10 ft cable length)

ID CPR02.10-B 2 (max. 3 m / 10 ft cable length)

**Reading distance** max. 7 cm / 2.75 in<sup>15</sup>

### Temperature range

Operation -25°C up to +60°C

Storage -40°C up to +85°C

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

<sup>11</sup> For example mifare® classic (mini, 1k, 4k), mifare® UltraLight, mifare® DESfire, Smart MX, my-d® proximity, SLE44R35S, SLE55R..., etc., Jewel™

<sup>12</sup> For example SLE66CL, ST19XR34, RF360 etc.

<sup>13</sup> For example I-CODE SLI, Tag-it HFI, my-vicinity, STM LRI512 etc.

<sup>14</sup> NFC Type 1, 2 and 4 in Read/Write and NFC Card-Emulation-Mode

<sup>15</sup> Distance depends on transponder used; listed reading distance is for a Transponder Inlet of 76 x 45 mm

## 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 CPR02.10-AD/-B RFID Card Reader

## Scope of delivery

Card Reader ID CPR02.10-AD

or ID CPR02.10-B

[Wall-mounted housing for surface mounting](#)

[Installation Manual](#)