

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-A¹¹, ISO 14443-B¹², ISO 15693¹³, NFC¹⁴

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 in¹⁵

Temperature range

Operation -25°C up to +60°C

Storage -40°C up to +85°C

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

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

¹² For example SLE66CL, ST19XR34, RF360 etc.

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

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

¹⁵ 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](#)