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## PRODUCT INFORMATION



Reference : FD-020-220



Protocols : 2 wires



Technologies : Mifare Plus, Mifare Classic, Desfire, BLE

## DESCRIPTION

**P40 proximity reader** is a **2-wire badge reader** specifically designed for integration with the upgradable iPassan, Easy Door, and Transit+ controllers. This innovative 2-wire reader employs our proprietary protocol, providing distinct security features and advanced functionality.

Featuring a modern and adaptable design, it seamlessly integrates into your commercial and residential projects. In addition to **Mifare® RFID technology**, this reader also supports the use of **Bluetooth** virtual credentials.

## KEY FEATURES OF THIS PROXIMITY READER

- High security and effortless installation thanks to the 2-wire output and encrypted bus system.
- Mifare® Classic and Mifare® Plus proximity reader with robust AES 128 bit encryption
- Optional capability to read all Mifare® card types, including Mifare® Light and Desfire, for a nominal fee.
- Advanced Bluetooth technology for secure access using virtual credentials.
- Incorporated LED indicators for clear visual feedback.
- Surface-mounted with terminal output – IP65 (provided installation instructions are complied with)
- Convenient online and remote firmware updates to keep your system up to date.

### Power supply

P40 RFID reader sources its power from the FDI access controller.

### Communication

The proximity reader is linked via a 2-wire connection, enabling continuous bidirectional communication (using the FDI protocol) with the iPassan access control unit (UTL). Controller continuously monitors the reader's status to ensure it remains connected.

## Updating firmware

P40 key reader firmware can be updated via iPassan Manager software.

## TECHNICAL DATA OF THE P40 BADGE READER

### Power supply

Operating voltage: 12V supplied by the controller via the 2 wires

### Outputs

- 2-SMART output: 2 wire
- Max. cable length: 100 m – 8/10 AWG20
- Frequency: 13.56 MHz (MIFARE Classic®, MIFARE Plus® and DESFire) + Bluetooth Low Energy (BLE)

### Read distance

- MIFARE Classic®: up to 40mm depending on the badge
- BLE : based on mode and settings

### LEDs

- 3 colors
- Managed via the controller software

### Temperature

- Operating temperature: -20°C to 60°C
- Storage temperature: -20°C to 70°C
- Humidity : 85 RH max.

### Protection rating

- Protection rating: IK10
- Waterproof rating: IP65

## Size

- Size (L x l x H): 90 mm x 47 mm x 23 mm
- Weight: 65g

## COMPLEMENTARY ASSOCIATED PRODUCTS

- [FD-010-213](#) : BLE credit
- [FD-010-158](#) : Proximity key – Pack of 10 – Mifare® Plus
- [FD-010-080](#) : MASTER – Proximity key
- [FD-010-142](#) : Event management key