P40 TROPICALIZED 2-WIRE READER



Click here to discover this product in 360°

PRODUCT INFORMATION

Reference : FD-020-245

Protocols : 2 wires

Technologies : Mifare Plus, Mifare Classic, Desfire, BLE

DESCRIPTION

The FDI Bluetooth **P40 proximity reader** is a **tropicalized 2-wire** reader developed for the scalable iPassan, Easy Door and Transit+ access control units. This 2-wire reader is based on our own protocol and offers unique security and functionality.

With its up-to-the-minute design, it can be easily integrated in your commercial and residential projects. In addition to **Mifare® RFID technology**, this reader offers the opportunity to work with **Bluetooth** virtual credentials.

KEY FEATURES OF THIS PROXIMITY READER

- Tropicalized electronic board
- High security and easy installation with the 2-wire output and encrypted bus
- Mifare® Classic and Mifare® Plus proximity reader (AES 128 bit encryption)
- All Mifare® (light and Desfire) can be read for an optional charge
- Secure Bluetooth read technology for access with virtual credentials
- Integrated LEDs
- Surface-mounted with terminal output – IP65 (provided installation instructions are complied with)
- Firmware updated online and remotely

Power supply

The P40 RFID reader must be powered by the access control unit.

Communication

The 2-SMART key/pass reader is connected via 2 wires and two-way communicates permanently (FDI protocol) with the iPassan access controller LPU. The controller is real-time aware if the reader is 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-010-080 : MASTER – Proximity key (1870)
- FD-010-142 : Event management key (1876)
- FD-010-158 : Proximity key – Pack of 10 – Mifare® Plus (1861)
- FD-010-213 : BLE credit (1813)