FDi urmet

PK80 TROPICALIZED 2-WIRE KEYBOARD READER

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PRODUCT INFORMATION

Reference : FD-020-247?

Protocols : 2 wires

Technologies : Mifare Plus, Mifare Classic, Desfire, BLE

DESCRIPTION

The **PK80 pin & prox proximity reader** is a tropicalised 2-wire reader developed for the upgradable 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 CHARACTERISTICS

- 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 PK80 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

PK80 reader firmware can be updated via iPassan Manager software.

TECHNICAL CHARACTERISTICS

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

Keyboard

- Material: elastomer
- Backlighting: blue
- Handicap Law compliance: marking on key 5

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 85 mm x 25 mm
- Weight: 85g

COMPLEMENTARY ASSOCIATED PRODUCTS

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