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## PRODUCT INFORMATION



**Reference :** FD-020-222



**Protocols :** 2 wires



Technologies : Mifare Plus, Mifare Classic, Desfire, BLE

## DESCRIPTION

The PK80 pin & prox reader is a 2-SMART reader developed for the scalable iPassan access controller. This 2-SMART reader is based on our own protocol and offers exclusive features and security.

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

- High security and easy installation with the 2-wire output and encrypted bus
- Mifare® Classic and Mifare® Plus proximity reader (AES 128 bit encryption)
- 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 draws its power supply from the FDI access controller.

### 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 40 mm
- 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