PRODUCT INFORMATION

Reference : FD-020-238

Protocols : 2 wires

Technologies : Mifare Plus, Mifare Classic

DESCRIPTION

The FD-020-238 reader is a 2-SMART range reader specially developed for our iPassan access control and Easy Door Controller solutions.
This reader is based on FDI 2-wire protocol that delivers exclusive security and features to it.
When this reader is combined with iPassan, it can manage BLE (Bluetooth Low Energy) access, which lets users authenticate via their Android or iOS mobile phone app.
It is designed to integrate the Urmet Sinthesi S2 door entry panel system.

KEY CHARACTERISTICS

- Reader compatible with FDI Mifare® Classic and Mifare® Plus (AES 128 bit encryption)
- Enhanced security and easy to install with its 2-wire output and encrypted bus
- Integrated LEDs and buzzer
- Firmware can be updated remotely if required

Power supply

The Sinthesi S2 reader draws its power supply from the FDI access controller.

Communication

The 2-SMART reader two-way communicates permanently (FDI protocol) with the iPassan controller or the Easy Door Controller, via its 2-wire bus. As such, the controller is real-time aware if the reader is correctly linked and displays the status via a LED on the controller and on the monitoring screen (iPassan)

Updating firmware

2-SMART Sinthesi S2 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 metres
- Frequency: 13.56 MHz (Mifare® Classic and Mifare® Plus)

Read distance

- Mifare® Classic : Up to 30 mm depending on the key/pass
- Mifare® Plus : Up to 20 mm depending on the key/pass
- Bluetooth : Up to 15 m depending on the smartphone, the type of access used and the reader and app settings

LEDs

- 3 colors: blue, red and green
- Behaviour adjustable via iPassan Manager (RS485)

Temperature

- Operating: -20°C to 50°C
- Storage temperature: -20°C to 70°C
- Humidity : 85 RH max.

Size

- Size (L x l x H): 85 mm x 85 mm x 16 mm
- Weight: 250g

COMPLEMENTARY ASSOCIATED PRODUCTS

- FD-020-239 : S2 – Sinthesi reader
- FD-020-237 : 34 bit – Sinthesi Steel – Proximity reader