XS-K-MF-RS

13.5 MHz RFID KEYPAD

xpr

XS-K-MF-RS / XS-K-MF-RS-X is compatible with our WS4 Web server controller.

They can read 13.56 MHz credentials and communicate with our custom RS-485 protocol.

Identifiers, communication protocol and firmware updates can be configured using our XPR Product Manager software via the micro-USB input on the back of the reader or with a programming card (requires PROX-USB-X)

This option offers full flexibility and scalable functionality. Fobs/Card and readers encryption is possible thanks to the MIFARE® DESFire® technology.

Xsmart

FEATURES

- Mounting: Surface mount
- Housing: ABS
- Keys: Backlit metallic
- Internal buzzer: With adjustable intensity using software
- Reading range: Up to 6 cm, depending on the tag type and size
- Operating frequency: 13.56 MHz
- Tamper protection: When opened or dismantled
- Wiring: Terminal block
- Operating voltage: 9 - 15 V DC
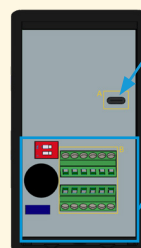- Current Consumption: Up to 170 mA

ENVIRONMENTAL FEATURES

- Environmental rating: Indoor/Outdoor IP 65 (resin potted)
- Operating temperature: -30°C to +65°C
- Operating humidity: 5% to 95% RH (non-condensing)

NOTE:
XS-K-MF-RS-X is coming with the **Xsecure** configuration by default.

CONNECTIVITY

Micro USB: For configuration and/or firmware update

Wire terminals
- Power
- RS-485

LED
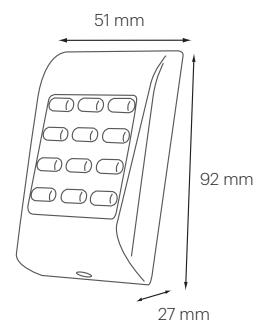
Green **Backlight**
Access granted

Orange **Backlight**
Idle mode

Red **Backlight**
Access denied

DIMENSIONS & WEIGHT

~0.15 kg

51 mm

92 mm

27 mm

▽ Web server interface

WS4

The WS4 is a simple and powerful access control system with its own built-in web server. There is no software to install; configuration is done simply via an internet browser. Very easy to install and use as all pages are responsive. It offers easy visualization of the status of the system and quick access to different menus directly from the home window.

ACCESSORIES

MT-SPACER

Surface mount spacer.
With knock-outs on each side and fitting perfectly to the housing back-plate, it is the ideal accessories to wire the reader easily if there is not a lot of room for connecting the reader during the installation.
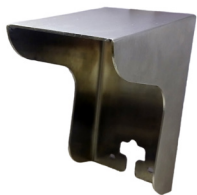
PROX-USB-X

RFID USB desktop device.
RFID configurable R/W reader with keyboard emulation (Windows, MAC, Linux). It reads Mifare classic, Mifare DESfire, EM 125 kHz, HID 125 kHz, NFC, ISO 15693, HID iCLASS and Xsecure cards

Mifare Fobs & Cards

Different contactless fobs and cards:
- Mifare available with 1 KB and 4 KB memory.
- Mifare DESfire EV3 available with 2 K memory.
- Xsecure® Mifare DESfire EV3 available with 2 K memory.
Available in different types of support:
ISO cards and ABS key fobs.

MC-MINI

This stainless steel cover is not compulsory for external use but recommended if you wish to protect the reader further against harsher weather conditions, UVA and dust. The reader being less exposed if this cover used, it offers also a significant level of vandal resistance if needed.

USP

Fitting plate compatible with US surface/flush mount electrical gang boxes.
Also ideal for retrofit to cover pre or old installation (small wall damages, chips, paint work, etc.).
Supplied in the same colour as the readers used for a blending aesthetic design.

Xsecure®

The **Xsecure®** solution is based on the concept of writing the identifier as **data on pre-coded MIFARE® DESFire® EV3 13.56 MHz cards and fobs**.

Xsecure® enables each card access key to be **distinct and unique**, produced through **an irreversible diversification process**. As a result, the data on **the card is encrypted and sealed** again, with an error checking against spoofing.

Only the reader and the production card encoding system are aware of this operation.

XPR encodes the cards and validates the identifiers issued **to avoid duplication.**