Manuals+ — User Manuals Simplified.

xpr XS Series Mifare
Reader and Keypad

xpr XS Series Mifare Reader and Keypad Installation Guide

Contents

xpr XS Series Mifare Reader and Keypad

Product Specifications

- Product Name: Xsmart Range Mifare Reader & Keypad
- Model Numbers:
    - XS-K-MF-W
    - XS-K-MF-W-X
    - XS-K-MF-RS
    - XS-K-MF-RS-X
    - XS-MF-W
    - XS-MF-W-X
    - XS-MF-RS
    - XS-MF-RS-X
- Mounting: Wall mounting with rubber gasket
- Dimensions: 5 mm thickness, various screw sizes for mounting
- Communication: Micro USB, RS-485 bus configuration
- Cable Type: Multiconductor cable with shielding
- LED Indicators: OFFLINE status indicated by a rapidly blinking red LED

Product Usage Instructions

Mounting Instructions:

1. Place the device on the desired location on the wall.
2. Use the provided rubber gasket to ensure a secure fit.
3. Secure the device using the specified screws and follow the vfront/back indications.

Connection Setup:

Connect the device using the Micro USB port and configure the RS-485 bus according to the provided specifications.

Cable Installation:

Use the recommended multiconductor cable with shielding for proper communication. Ensure correct wiring and distances for optimal performance.

Frequently Asked Questions

Q: What does the rapidly blinking red LED indicate?

A: The red LED blinking rapidly indicates that the device is in an OFFLINE status, meaning it has lost communication with the controller.

Q: How should I address an OFFLINE status on the device?

A: To address an OFFLINE status, check the communication connections, reset the device if necessary, and ensure proper configuration settings.

Q: Can I use a different type of cable for installation?

A: It is recommended to use the specified multiconductor cable with shielding to maintain proper communication and performance of the device.

Xsmart Range: Mifare Reader & Keypad with Mifare

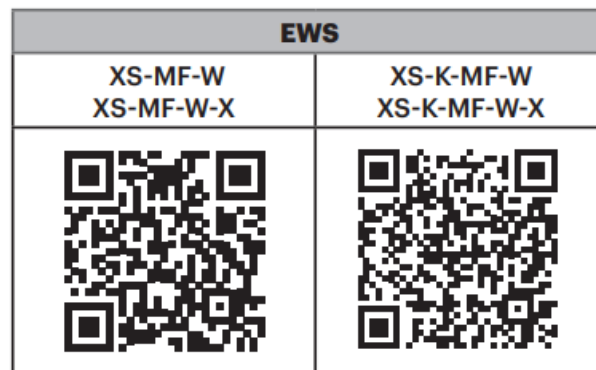- XS-K-MF-W
- XS-K-MF-W-X
- XS-K-MF-RS
- XS-K-MF-RS-X

- XS-MF-W
- XS-MF-W-X
- XS-MF-RS
- XS-MF-RS-X

Xsecure®

SPECIFICATIONS

WS4		EWS	
XS-MF-RS XS-MF-RS-X	XS-K-MF-RS XS-K-MF-RS-X	XS-MF-W XS-MF-W-X	XS-K-MF-W XS-K-MF-W-X

MOUNTING

5 mm   3 (3 x 30 mm)   1 (M3 x 8 mm)
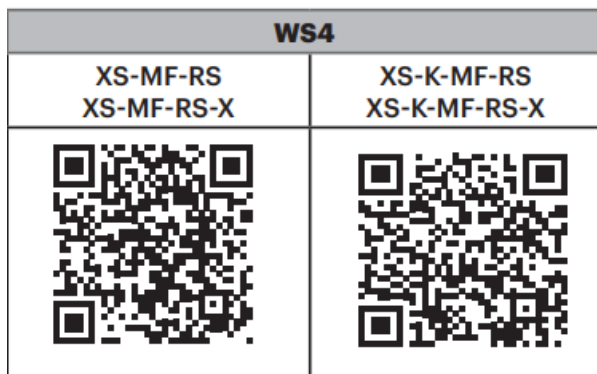
Front	Back
Face avant	Face arrière
Cara delantera	Cara trasera
Vorderseite	Rückseite
Davanti	Indietro
Voorkant	Rug

MOUNTING WITH MT-SPACER

6 mm   2 (4 x 30 mm)   3 (M3 x 8 mm)   1 (M3 x 8 mm)
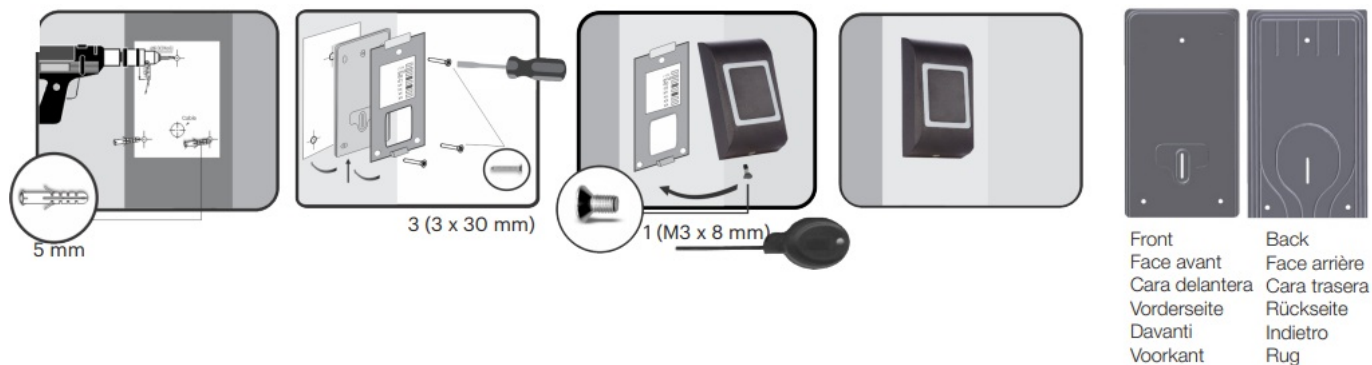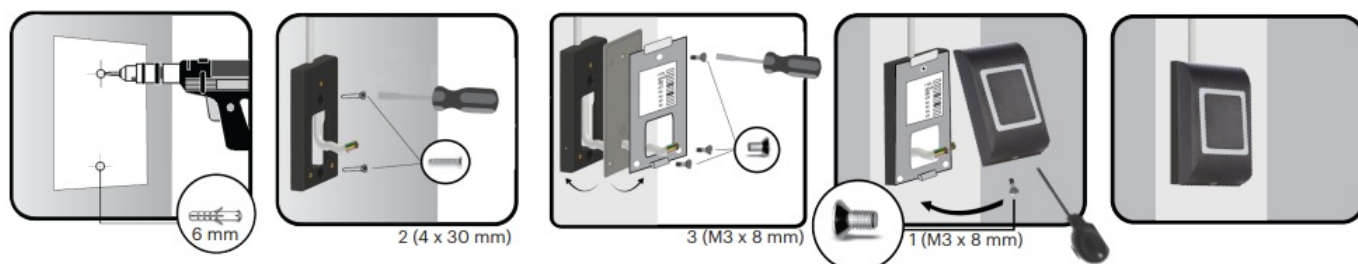
FERRITE CORE MOUNTING

Controller — 12V — A — B — GND
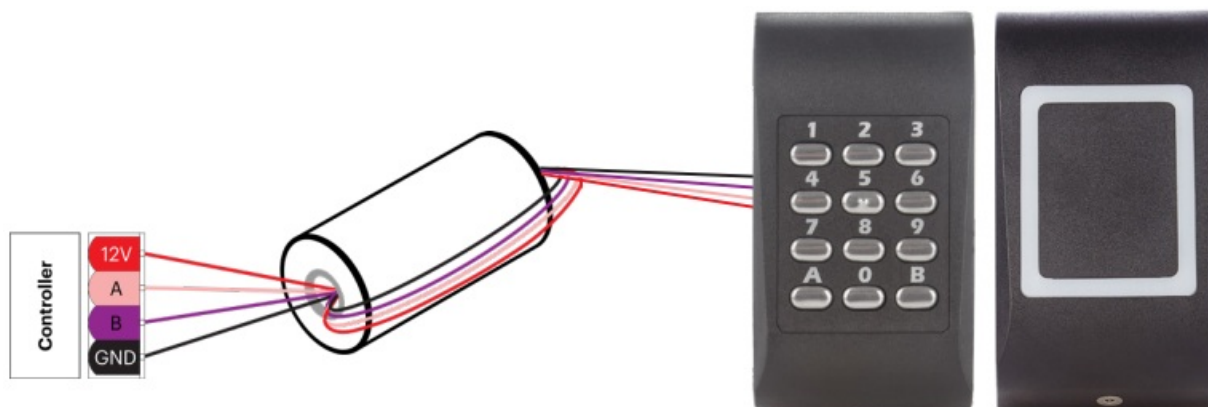
TERMINAL BLOCKS AND DIPSWITCH

WS4 Configuration/Configuration WS4/
Configuración WS4/WS4-Konfiguration/
Configurazione WS4/WS4-configuratie:

Reader Address 0/Adresse Lecteur 0/Dirección
del lector 0/Leseradresse 0/ Indirizzo lettore 0/
Lezeradres 0

Switch 1 **OFF**/Switch **1 OFF**/
Interruptor **1 OFF**/Schalter **1 AUS**/
Interruttore **1 su OFF**/Schakelaar **1 UIT**

WS4 Configuration/Configuration WS4/
Configuración WS4/WS4-Konfiguration/
Configurazione WS4/WS4-configuratie:

Reader Address 1/Adresse Lecteur 1/Dirección
del lector 1/Leseradresse 1/ Indirizzo lettore 1/
Lezeradres 1

Switch 1 **ON**/Switch 1 **ON**/
Interruptor 1 **ON**/Schalter 1 **AN**/
Accendere 1 **ON**/ Schakelaar 1 **AAN**

RS-485 bus configuration/Configuration du
RS-485/Configuración bus RS-485/
RS-485-Buskonfiguration/Configurazione del
bus RS-485/RS-485-busconfiguratie:

Switch 2 120 ohm **OFF**/Switch 2 120 ohm **OFF**/
Interruptor 2 120 ohm **OFF**/Schalter 2 120 ohm
AUS/Interruttore 2 120 ohm **su OFF**/
Schakelaar 2 120 ohm **UIT**

RS-485 bus configuration/Configuration du RS-
485/Configuración bus RS-485/ RS-485-Buskon-
figuration/Configurazione del bus RS-485/
RS-485-busconfiguratie:

Switch 2 120 ohm **ON**/Switch 2 120 ohm **ON**/
Interruptor 2 120 ohm **ON**/Schalter 2 120 ohm
AN/Accendere 2 120 ohm **ON**/
Schakelaar 2 120 ohm **AAN**

Micro USB

GND
BUZZ
D0
D1
T
T

XS-MF-RS-X
XS-MF-RS
XS-MF-W-X
XS-MF-W

LR
LG
B
A
GND
+12V

GND
BUZZ
D1
D0
T
T

XS-K-MF-RS-X
XS-K-MF-RS
XS-K-MF-W-X
XS-K-MF-W

LG
LR
B
A
GND
+12V

TERMINALS

TERMINALS BORNIERS TERMINALES ANSCHLÜSSE TERMINALI TERMINALEN	DESCRIPTION DESCRIPTION DESCRIPCIÓN BESCHREIBUNG DESCRIZIONE BESCHRIJVING	WS4 CONNECTION CONNEXION WS4 CONEXIÓN WS4 WS4-VERBINDUNG CONNESSIONE WS4 WS4-VERBINDING	EWS CONNECTION CONNEXION EWS CONEXIÓN EWS EWS-VERBINDUNG CONNESSIONE EWS EWS-VERBINDING
A	RS-485 line/ Ligne RS-485/ Línea RS-485/ RS-485-Leitung/ Linea RS-485/ RS-485-lijn	RS-485 A (+)	✗
B	RS-485 line/ Ligne RS-485/ Línea RS-485/ RS-485-Leitung/ Linea RS-485/ RS-485-lijn	RS-485 B (-)	✗
DO	Output/Sortie/ Salida/Ausgang Produzione/Uitvoer	✗	Wiegand DO
D1	Output/Sortie/ Salida/Ausgang Produzione/Uitvoer	✗	Wiegand D1
LG	Input/Entrée/Entrada/Eingang/Ingresso/ Invoer	✗	Green LED Input/Entrée LED verte/Entrada LED verde/Grüne LED-Eingang/Ingresso LED verde/ Groene LED-ingang
LR	Input/Entrée/Entrada/Eingang/Ingresso/ Invoer	✗	Red LED Input/Entrée LED rouge/Entrada LED roja/Rote LED-Eingang/Ingresso LED rosso/ Rode LED-ingang
BUZZ	Input/Entrée/Entrada/Eingang/Ingresso/ Invoer	✗	✗
+ 12 V	Power Supply Alimentation Alimentación Stromversorgung Alimentazione elettrica Elektriciteitsvoorziening	✓	✓
GND	Ground/Terre/Tierra/ Masse/Terra/ Grond	✓	✓
T	Tamper/Autoprotection/Autoprotección/ Sabotageschutz/Manomettere/ Knoeien	✗	✓
T	Tamper/Autoprotection/Autoprotección/ Sabotageschutz/Manomettere/ Knoeien	✗	✓

CABLING

CABLING	WS4 Configuration:	EWS Configuration:
Max length	80 m	150 m
CABLING	Multiconductor cable 2 twisted pair with shielding	Untwisted, shielded, 0.22 mm2 min. For longer distance above 20 m use larger diameter. .

SIGNALISATION

SIGNALISATION	DESCRIPTION	XS-MF-RS-X & XS-MF-RS XS-K-MF-RS-X & XS-K-MF-RS
Reader OFF-LIne	Reader lost communication with controller	Red LED Blinks fast

DEFAULT CONFIGURATIONS

- **Online solution:** XS-MF-W & XS-K-MF-W factory setting is to read CSN and Wiegand 34 bit. XS-MF-W-X & XS-K-MF-W-X factory setting is to read

  Xsecure credentials and Wiegand 34 bit. In order to change the default settings, please use the PROS CS software.

- **Web server solution:** XS-MF-RS & XS-K-MF-RS factory setting is to read CSN. XS-MF-RS-X & XS-K-MF-RS-X factory setting is to read Xsecure credentials.

  In order to get the configuration software (Product Manager) and change the default settings, please contact us at: **info@xprgroup.com**

ACCESSORIES (OPTIONAL)/ ACCESSOIRES (EN OPTION)

MC-MINI
Mini Metal Cover

USP-BK
Mounting Plate

MT-SPACER
Surface Mount Spacer

www.xprgroup.com

Documents / Resources

xpr XS Series Mifare Reader and Keypad [pdf] Installation Guide
XS-K-MF-W, XS-K-MF-W-X, XS-K-MF-RS, XS-K-MF-RS-X, XS-MF-W, XS-MF-W-X, XS-MF-RS, XS-MF-RS-X, XS Series Mifare Reader and Keypad, XS Series, Mifare Reader and Keypad, Reader and Keypad, Keypad

References

- **X XPR Group - Safe access systems provider**
- **User Manual**