



xpr MINI-SA2 Standalone Proximity Access Reader User Guide

[Home](#) » [xpr](#) » xpr MINI-SA2 Standalone Proximity Access Reader User Guide 

Contents

- [1 xpr MINI-SA2 Standalone Proximity Access Reader](#)
- [2 Product Information](#)
- [3 FEATURES](#)
- [4 DIMENSIONS](#)
- [5 MOUNTING](#)
- [6 WIRING](#)
- [7 PROGRAMMING FLOWCHART](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)



xpr MINI-SA2 Standalone Proximity Access Reader



Product Information

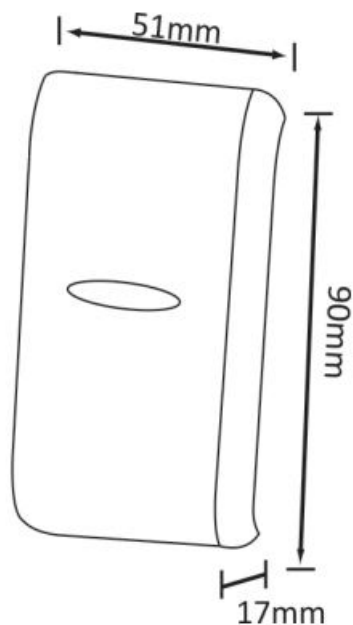
The MINI-SA 2 is a standalone proximity reader with the following features:

- **Mounting:** Can be easily mounted on a surface
- **Dimensions:** Compact size for easy installation
- **DC/AC:** Supports both DC and AC power supply
- **Programming Flowchart:** Provides step-by-step instructions for enrolling and deleting cards

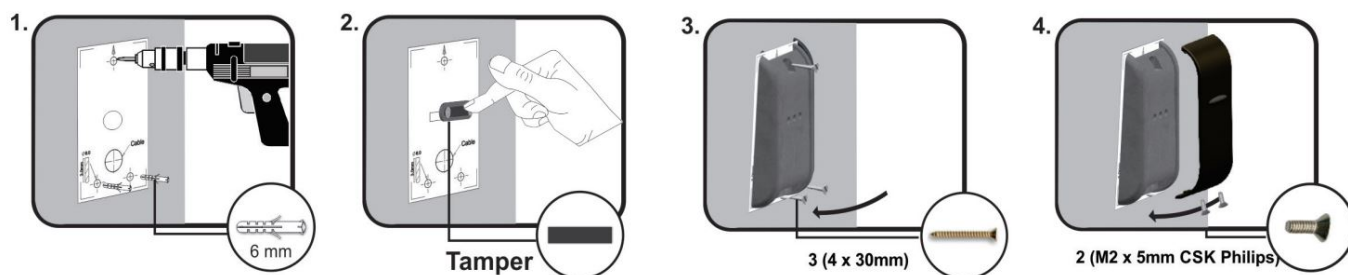
FEATURES

- Standalone Proximity Reader
- Operates on 12-24V DC; 15-24V AC
- Reads EM4002 compatible tags and cards
- 4000 Users (cards)
- Programming with Master and Delete Card
- Card can be deleted even if it is lost or stolen (Shadow Card)
- 1 Exit button input
- 1 Relay (1A /30V AC/DC)
- Adjustable Door relay Time(1-250sec, 0-ON/OFF (Toggle) Mode)
- Read Range: up to 10cm
- Resin potted electronics
- Dipswitch for enrollment of Master and Delete Card
- Cable, 0.5 m
- Tamper switch for higher security
- Visual and audio feedback
- Current Consumption: 60 mA at 12VDC 40 mA at 24VDC
- Dustproof and waterproof (IP66)

DIMENSIONS

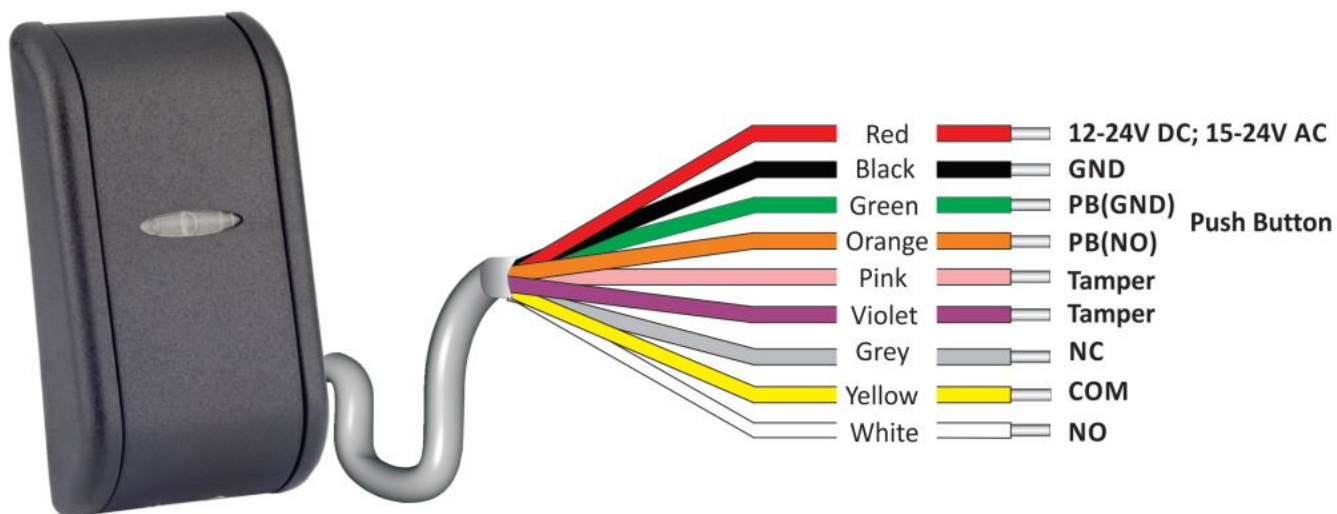


MOUNTING



The reader should not be mounted against metal surface. If there is an installation where the metal surface cannot be avoided, isolation base between the reader and the metal must be used. The thickness of the isolation base should be determined with test.

WIRING





Default: 1- ON; 2- ON

Buzzer ON/OFF
Buzzer ON/OFF
Buzzer ON/OFF
Zumbador ON/OFF
Türsummer AN/AUS
Buzzer AAN/UIT

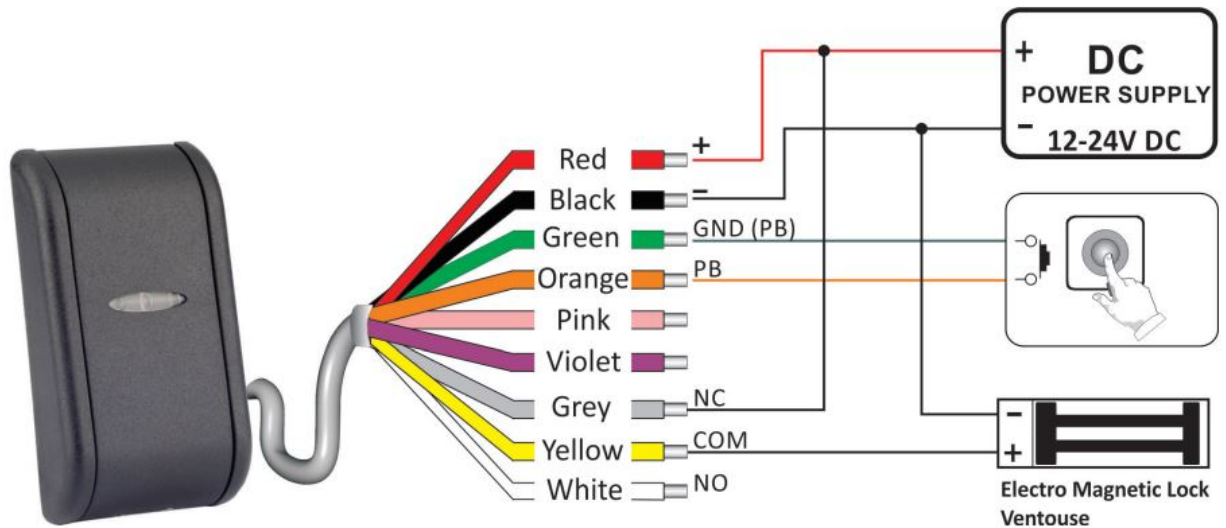
Enroll Master and Delete Card
Enregistrement de la carte Maître et de la suppression
Programmazione delle tessere MASTER e DELETE
Registro de la tarjeta maestra y para suprimir
Master- und Löschkarte erfassen
Master- en Deletekaart registreren

Colour/ Couleur/ Colore/ Color/ Farbe/ Kleur	Connection/ Connexion/ Conessione/ Conexión/ Anschlüsse/ Aansluiting
Red/ Rouge/ Rosso/ Rojo/ Rot/ Rood	12-24V DC; 15-24V AC
Black/ Noir/ Nero/ Negro/ Schwarz/ Zwart	GND
Green/ Vert/ Verde/ Verde/ Grün/ Groen	Push Button
Orange/ Orange/ Arancione/ Naranja/ Orange/ Oranje	Exit (NO)
Pink/ Rose/ Rosa/ Rosado/ Rosa/ Roze	Tamper
Violet/ Violet/ Violetto/ Morado/ Violet/ Paars	Tamper
Grey/ Gris/ Grigio/ Gris/ Grau/ Grijs	NC
Yellow/ Jaune/ Giallo/ Amarillo/ Gelb/ Geel	COM
White/ Blanc/ Bianco/ Blanco/ Weiß/ Wit	NO

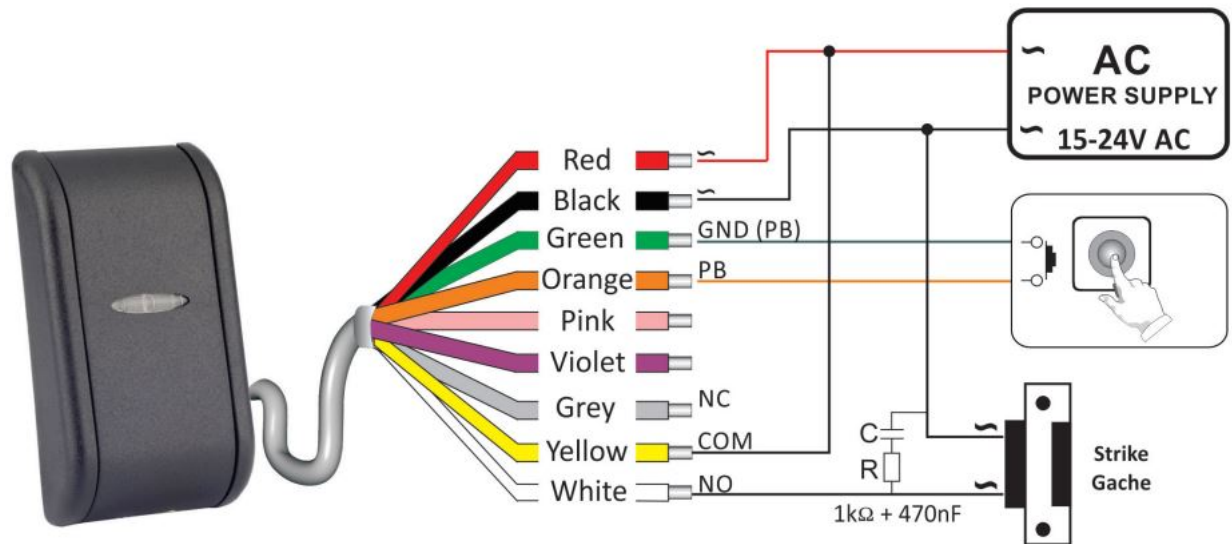
12/24V AC/DC	12-24V DC; 15-24V AC
GND	ground
Push Button	ground(PB)
Push Button	Exit button
Tamper	Tamper Switch
Tamper	Tamper Switch
NC	Normally closed
COM	Common
NO	Normally open

APPLICATION DIAGRAM

DC: External DC Power Supply for EM Lock



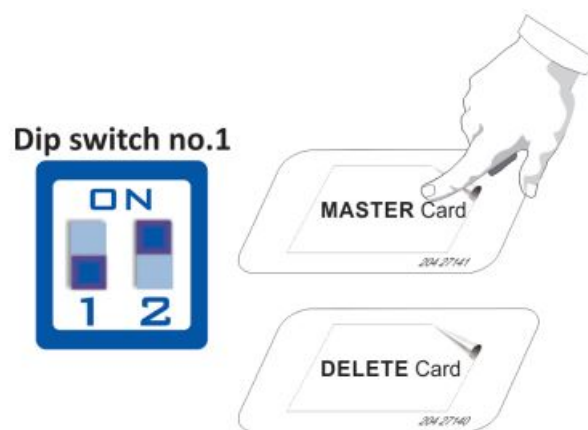
AC: External AC Power Supply for strike



Note: Strike can be connected to DC

PROGRAMMING FLOWCHART

Enroll Master and Delete Card















1. Turn OFF the power supply
2. Push dip switch no.1 in position OFF.
3. Turn ON the power supply. All three LEDs will blink continuously.
4. Enter Master Card. Red and Yellow LED will blink.
5. Enter Delete Card. Red LED will blink.
6. Turn OFF the power supply.
7. Put the dip switch in position ON.

NOTE: Changing Master and Delete Card is done with the same procedure. Old Master and Delete Card are deleted automatically.

Enroll a User

- Cards can be programmed individually or as a block of sequential cards.
- For each User, 2 cards are being programmed: 1 User Card and 1 Shadow Card.
- The User Card is issued to the User and the Shadow Card is kept on safe place.

- If the User Card is lost or stolen, the Shadow Card will be used to delete the corresponding User Card.

INPUT	INDICATION
1. Present Master Card	   short + long beep
2. Present Shadow Card	   short + 3 short beeps
3. Present User Card (or multiple User cards)	   OK beep
4. Present Master Card	   short + 5 short beeps

Example: Enroll 2 Users

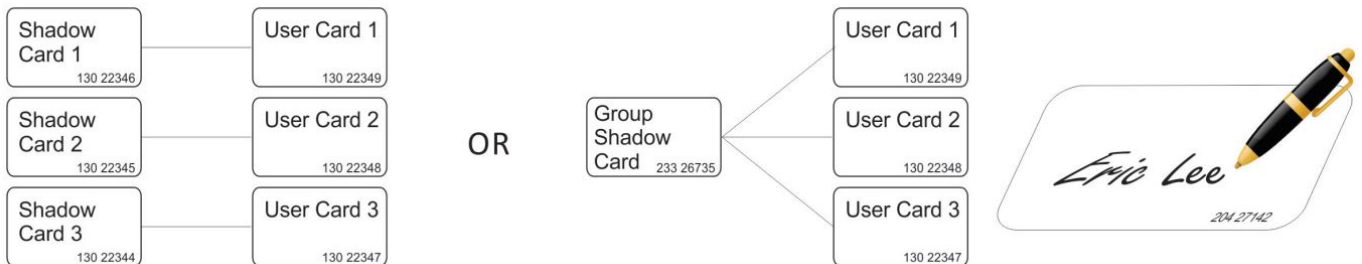
Present Master Card
Present Shadow Card
Present User Card
Present Master Card

Present Master Card
Present Shadow Card
Present User Card
Present Master Card
















NOTE: Shadow card can be issued for 1 user or for group of users. In both cases, write the name of the user on the shadow card and keep all of the shadow cards on safe place.

NOTE: If more than one user is associated to same shadow card, deleting with that shadow card will result with deletion of all the Users associated to that shadow card.

NOTE: If a shadow card needs to be changed, just enroll the same User with different Shadow card.



Enroll block of user cards










INPUT	INDICATION
1. Present Master Card	   short + long beep
2. Present Shadow Card	   short + 3 short beeps
3. Present the beginning card of the block 3 times	   OK beep
4. Present the ending card of the block 3 times	   OK beep
5. Present Master Card	   short + 5 short beeps

Example: Enroll 100 cards

Present Master Card
Present Shadow Card
Present the beginning card of the block 3 times (ex. **180 20001**)
Present the ending card of the block 3 times (ex. **180 20100**)
Present Master Card

NOTE: The block of User cards can be maximum 100 Cards.










Delete a User (with the user card)

INPUT	INDICATION
1. Present Delete Card	   short + long beep
2. Present User Card (or multiple User cards)	   OK beep
3. Present Delete Card	   short + 5 short beeps

Example: Delete 2 Users

Present Delete Card
Present First User Card
Present Second User Card
Present Delete Card

Delete a User (with the shadow user card)

INPUT	INDICATION
1. Present Delete Card	   short + long beep
2. Present Shadow Card (or multiple Shadow cards)	   OK beep
3. Present Delete Card	   short + 5 short beeps

Example: Delete Two Users










Present Delete Card
Present First User Shadow Card
Present Second User Shadow Card
Present Delete Card

Delete ALL Users

INPUT	INDICATION
1. Present Delete Card	   short + long beep
2. Present Master Card 3 times	   OK beep
3. Present Delete Card	   Multiple beeps+OK beep

NOTE: 7 seconds maximum time for deleting all 4000 users

Set Door Relay Time





INPUT	INDICATION
1. Present Master Card 3 times	   short + long beep
2. Present Delete Card X times for X seconds (Door Open Time)	   OK beep
3. Present Master Card	   short + 5 short beeps

Example: Set 7 seconds relay time

Present Master Card 3 times
Present Delete Card 7 times
Present Master Card

NOTE: Door relay time can be set in the range of 1 to 250 seconds.

Set Door Relay in Toggle (ON/OFF) Mode

INPUT	INDICATION
1. Present Master Card 3 times	   short + long beep
2. Present Master Card	   short + 5 short beeps

This product herewith complies with requirements of EMC directive 2014/30/EU, Radio Equipment Directive 2014/53/EU. In addition it complies with RoHS2 directive EN50581:2012 and RoHS3 Directive 2015/863/EU.

www.xprgroup.com

Documents / Resources



[xpr MINI-SA2 Standalone Proximity Access Reader](#) [pdf] User Guide
MINI-SA2, MINI-SA2 Standalone Proximity Access Reader, Standalone Proximity Access Reader, Proximity Access Reader, Access Reader, Reader

References

- [XPR Group - Safe access systems provider](#)