



xpr MTPX-MF V3 Surface Mount Mifare Reader User Manual

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**MTPX-MF V3 Surface Mount Mifare Reader
User Manual**



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MTPX-MF V3 Surface Mount Mifare Reader



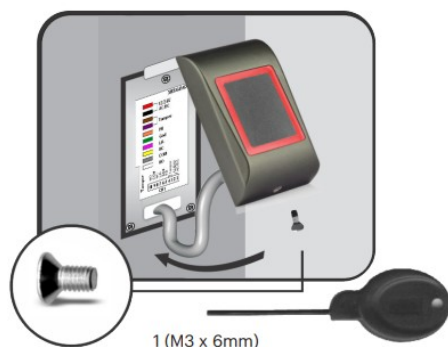
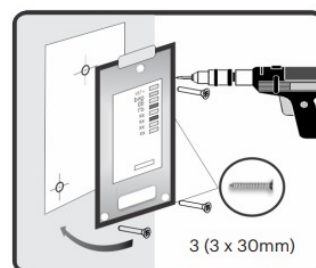
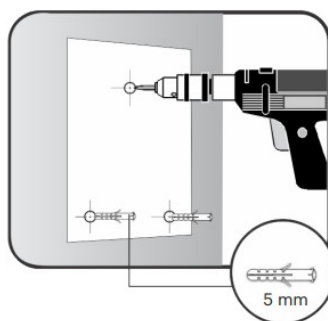
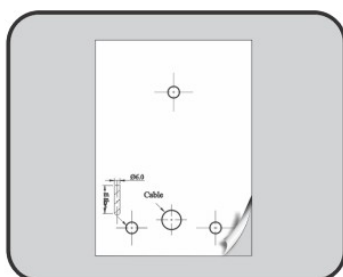
SPECIFICATIONS

- Mifare Card Serial Number Reader
- Reads Mifare Classic, Ultralight and Desfire

Operating Voltage:	9 to 14V DC
Current consumption:	Max. 130 mA
Operating frequency:	13,56 MHZ
Read range:	Up to 6cm
Reader Data Output:	Wiegand 26, 34, 42, 58, 24, 32, 40, 56 bit
Cable distance:	150m
Backlight , Buzzer ON/OFF:	Yes
Green LED:	Externally controlled
Red LED:	Externally controlled
Tamper protection:	When Opened or Dismantled
Operating Temperatures:	-20°C to +60°C
Protection standard:	IP65
Dimensions (mm):	92L x 51W x 27H (ABS);
Panel Connection:	Cable, 0.5 m

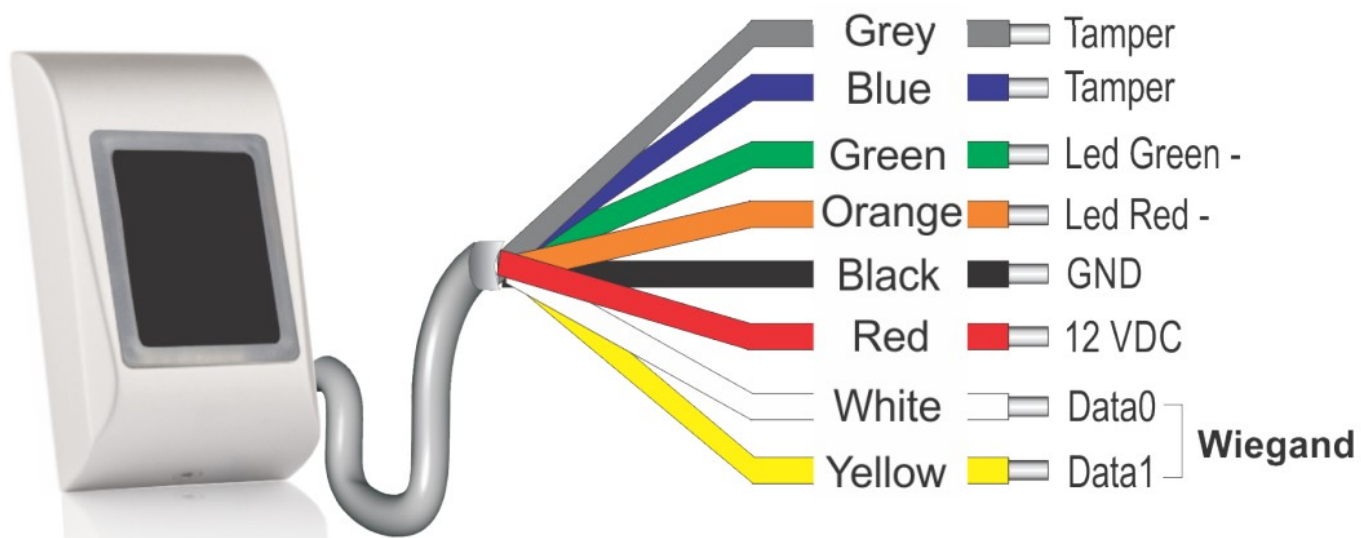
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MOUNTING



– 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.

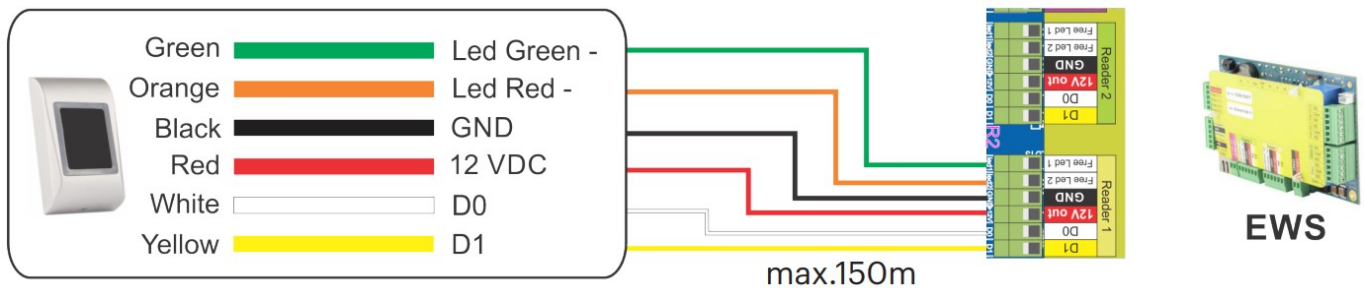
WIRING



Colour	Connection
Grey	Tamper
Blue	Tamper
Green	Led Green
Orange	Led Red
Black	GND
Red	12 VDC
White	DO Wiegand
Yellow	D1 Wiegand

Tamper ; .	Tamper Switch
Tamper	Tamper Switch
Led Green	Green Led
Led Red	Red Led
GND	ground
12 VDC	9-14 VDC
DO /clock	Data 0
D1/Data	Data 1

WIEGAND CONNECTION



DIPSWITCH CONFIGURATION

Dipswitch	Function
1	Backlight ON/OFF
2	Buzzer ON/OFF

1. **Backlight** ON/OFF

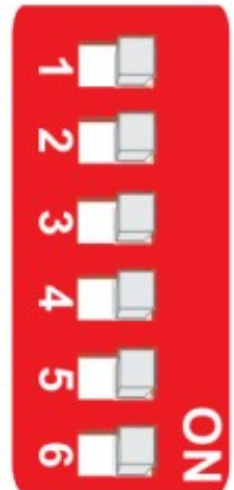
2. **Buzzer** ON/OFF

3. **Convert** UID

4. **W1**-Wiegand1

5. **W2**-Wiegand2

6. **No Parity**(OFF=Send Parity) (ON=No Parity)

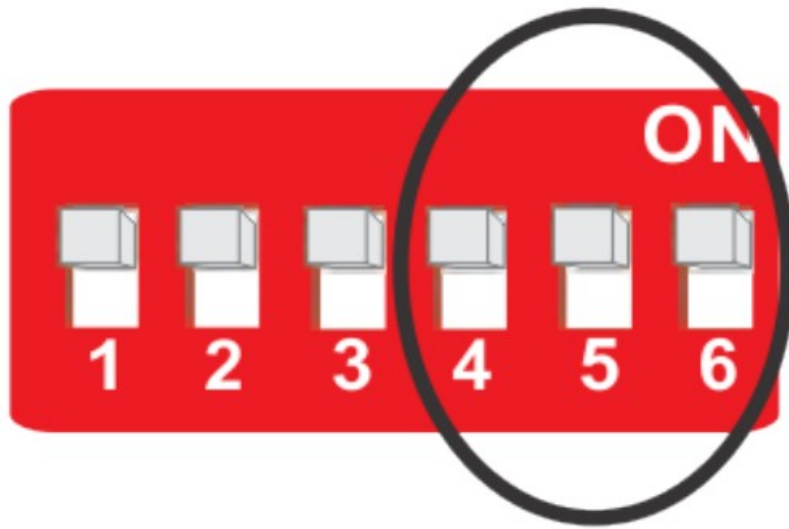


Convert u I D		W 26bit	W 34bit	W 42bit	W 58bit	W 24bit	W 32bit	W 40bit	W 56bit
3	ON	YES	YES	NO	NO	NO	NO	NO	NO
3	OFF	NO	NO	NO	NO	NO	NO	NO	NO

Note: The conversion from 7byte ID to 4 byte ID is only possible with cards that have 7 byte ID Number. Those are: Mifare plus, Desfire and Ultralight.

Wiegand selection

Jumper		W 26bit	W 34bit	W 42bit	W 58bit	W 24bit	W 32bit	W 40bit	W 56bit
4	Wiega nd 1	OFF	ON	OFF	ON	OFF	ON	OFF	ON
5	Wiega nd 2	OFF	OFF	ON	ON	OFF	OFF	ON	ON
6	No Par ity	OFF	OFF	OFF	OFF	ON	ON	ON	ON




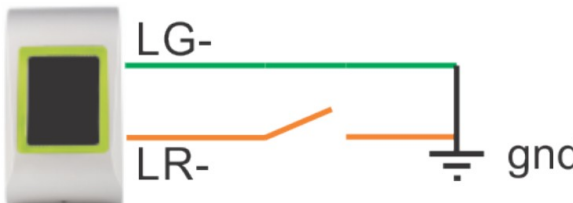



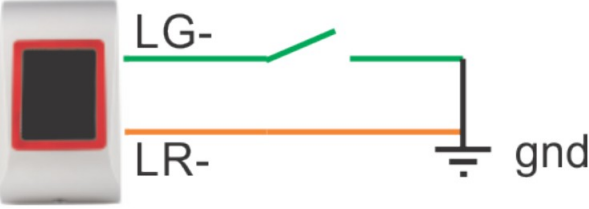


Default: Wiegand 26bit

Use the Dipswitchs no: 4, 5 and 6 to select the desired Wiegand Output

Note: All changes can be made live, without power cycling.

TRICOLOR LED

	<p>Orange (Idle Mode): “LG-” and “LR-” not connected</p>	
	<p>Green: LG-(green wire) connected to GND</p>	

	<p>Red: LR-(orange wire) connected to GND</p>	
	<p>No light: LG-(green wire) and LR-(orange wire) connected to GND</p>	



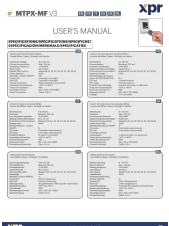
This product herewith complies with requirements of EMC directive 2014/30/EU, Radio Equipment Directive 2014/53/EU.

In addition it complies with RoHS2 directive EN50581:2012 and RoHS3 Directive 2015/863/EU.



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Documents / Resources

	<p>xpr MTPX-MF V3 Surface Mount Mifare Reader [pdf] User Manual MTPX-MF V3, MTPX-MF V3 Surface Mount Mifare Reader, V3 Surface Mount Mifare Reader, Surface Mount Mifare Reader, Mifare Reader, Reader</p>
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References

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

