

## FE-MF-WRV1

### VANDAL RESISTANT MIFARE KEYPAD AND CARD READER

Ideal for high-traffic and harsh environments, where PIN Code credentials are needed. Made from Zinc Alloy, it will effectively prevent vandalism. Provides Wiegand 34 communication interface for more flexible applications. The FE-MF-WRV1 is ISO14443A compliant. Identifies UID 7 bytes/ 5 bytes MIFARE Contactless Smart Card. System security is enhanced by case sensor detection function. Unlock modes include Card-swiping, Keypad pressing (with password option) to unlock.

### *At a glance*

- Zinc Alloy Case
- Anti-vandal construction
- Output format: Wiegand 34
- Card type: 13.56 MHz MIFARE
- External LED/Buzzer control lines
- Backlit keypad
- Multi-colour LED Status Display
- Case Sensor Detection function
- Wide range of operating temperature
- Easy installation



Specification	
RFID Card Type	13.56 MIFARE
Active / Idle Current	Up to: 80 mA / 40 mA
LED Indicator	1x Red / Green bi-colour (Status / Power)
Reading range	3-5 cm
Keypad	13 Numbers keypad (backlit)
Beep Tone	Buzzer
Output format	Wiegand 34
Operating Voltage	12V DC $\pm$ 10%
Transmitting distance	100 meters
IP Rating	IP 67
Operating Temperature	-40°C to 70°C
Operating Humidity	10% to 90%
Dimensions	129 x 44 x 20 mm
Material	Zinc - Alloy
Weight	460g

**Reader Wiring Description:**

Wire Colour	Name	Function
Red	12V DC	Power supply (+)
Black	GND	Power supply (-)
Green	D0	Weigand Data 0
White	D1	Wiegand Data 1
Brown	LED	LED indicators on reader
Yellow	BUZZER	Buzzer on reader
Grey	RS485	OSDP Data A
Blue	RS485	OSDP Data B



Freund Elektronik A/S, in cooperation with our sister company Freund Elektronika D.O.O. Sarajevo, is developing an IP-Based Intercoms, Audio Systems, Access Control and Smart Home solutions.

As a developer, manufacturer, and reseller, we have been self-improving and perfecting ourselves for over 30 years.

In the industry, we negotiate the most advanced and innovative solutions regarding the building communication. Our daily focus is on the development and user friendliness of our high quality and pleasantly designed products.

As a developer and manufacturer of our own IP-INTEGRA system, we have made a top-of-the-line products for Door Telephony, Public Audio, and Access Control solution.

Our development department, together with our partners, has created elegant and robust door phones, SIP-Centrals, Terminals, IP-Speakers, ACC Controllers, and applications with intelligent features using the most advanced technologies when available, and creating new technologies when they are not while keeping it simple for our customers.

