



INTRODUCTION

ISRF-EMS2K Standalone RFID Keypad Controller is a high performance standalone access control system with optimized RFID proximity reader for identification and security access control application.

By the coded access key or unique serial number realizes the advanced security protection between the users and the system.

It can be integrated with door sensor, release button, alarm buzzer and electrical lock.

The integrated keypad provides an additional level of security by allowing the use of personal identification number (PIN). It provides both audio and visual feedback with integrated buzzer and LED indicators for user communication.

It is a compact square reader designed to mount directly to European and Asian size single-gang electrical back boxes. With a special weatherproof potted enclosure and long pigtail, allows easy installation in anywhere both in flush mount and wall mount application.



ISRF-EMS2K

BENEFITS

Card Only / PIN Only / Card + PIN	Provides Flexibility in Operation
Audiovisual Indication	Instant Feedback
Potted Electronics Protect	Against Harsh Weather and Vandalism
Available in Gray and Beige Cover	Matching Interior Design and Application
Multi-Signal Connection and Output	Easy to Interface Different Type of Controllers
Standalone Door Control Function	Cost Effective & Simple Solution for Small System
Easy Installation Enclosure	Suit for European and Asian Size Single-Gang Electrical Back Boxes Installation



FEATURES

- Add / delete card or password by present card / keypad input.
- 5 master cards for system operation
- Easy keypad programming operation
- Support 2,000 cardholders
- 200 door access passwords
- Password from 0 to 999999
- One global door access password for “card +pin” purpose
- One master password for entering programming mode
- Buzzer beeps during key in keypad
- Automatic time zone switching
- Time zone control as password, E-lock, alarm.
- Power LED to indicate the power input

SPECIFICATIONS

Power Requirement

12 to 16VDC, 2A. A linear regulator is recommended.

Power Consumption

Less than 80mA for reader & controller, 1.5A for electrical lock..

RFID Card Read Range

Safety read write range for 8cm with ASK modulation contactless proximity card.

Response Time

Less than 0.2 second.

RF Frequency

125Khz Proximity Technology.

Audio / visual Indication

Red, Green LED and Beeper indication.

Alarm Output

5VDC with 25mA.

Relay Output

12VDC, 2A.

Operating Temperature

-10 deg C to 65 deg C.

Operating Humidity

0-95% relative humidity non-condensing.

Bezel Colors

Charcoal Gray or Cool White

Dimensions

85 mm x 85 mm x 20 mm

Interface

Standard wiegand 26 bits for connection to standard access control panels.

RS-232 interface -> baud rate : 9600, data bits : 8, stop bit : 1, parity : N for connection to PC computer.