ISRF-EMF5 RFID Proximity Card Reader

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INTRODUCTION

ISRF-EMF5 RFID Proximity Card Reader utilizes 125Khz RFID technology to read ASK modulation contactless proximity cards. Contactless proximity cards are used for many different applications, such   as access control, vending, toll roads, airline ticketing, banking cards, city cards, id cards, university cards, loyalty schemes, phone cards, parking & elevator control.

SPECIFICATIONS

Power Requirements
DC7-12V at 100mA. A linear regulator is recommended.

Interface
Standard wiegand 26-64 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's or dedicated microcontrollers.

Read Range
Safety read write range for 5cm with ASK modulation contactless proximity card.

Response Time
Less than 0.1 second.

RF Frequency
125Khz standard.

Audio/visual Indication
Red, Green LED and Beeper indication.

Operating Temperature
-22° to 150° F (-30° to 65° C).

Operating Humidity
0-95% relative humidity non-condensing.

Dimensions
48 mm x 100 mm x 20 mm

Cable Distance
Wiegand interface: 500 feet (150 m)
RS232 interface: 50 feet (15 m)
Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent. Additional conductors may be required for LED or beeper control.

	Wire Color	
1	6-12VDC	RED
2	GND	BLACK
3	BUZZER	YELLOW
4	GREEN LED	ORANGE
5	D1	WHITE
6	D0	GREEN
7	HOLD	BLUE
8	RX	-
9	GND	GREY
10	TX	BROWN
	RS232	9600,8,1,N