ISRF-MFS1K RFID Smart Card Keypad Reader

INTRODUCTION

ISRF-MFS1K RFID Mifare Card Keypad Reader utilizes 13.56Mhz 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.

ISRF-MFS1K

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.
RS232 output data format : **AA B1 …. B15 CS BB** in Hex format.
AA : BOF, **B1 to B15 :** 15 paris HEX code, **CS :** B1 xor … xor B5, **BB :** EOF
B1 to B15 equal the 15 bytes data stored in Mifare card readable block.

Read Range

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

Response Time

Less than 0.1 second.

RF Frequency

13.56Mhz 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

85 mm x 85 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