User Manual

RFID reader for access control

SecureEntry-CR50HF

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Specifications:

- **Warranty:** 1 year
- **Device Type:** RFID Reader with Access Control
- **Verification Type:** RFID Card
- **Material:** metal
- **Response Speed:** Less than 0.2 seconds
- **Proximity Range:** 3-10cm
- **Communication Distance:** 100 meters
- **Data transfer:** real-time
- **Working Voltage:** DC9V-16V, Standard 12V
- **Operating Current:** 70mA
- **Light Signal:** Built-in LED (Bi-color LED)
- **Beep:** Built-in speaker (buzzer)
- **Audio-visual indication:** when the registered card is placed against the reader, the red LED flashes green and a beep sounds
- **Interface:** Wiegand 26/34
- **Supported RFID Cards:** 13,56 MHz Mifare
- **Access control:** yes
- **Ingress Protection:** IP68
- **Operating Temperature:** -25° C to 75° C
- **Operating Humidity:** 10%-90%
- **Product dimensions:** 12 x 6.5 x 2.1 cm
- **Package dimensions:** 14.2 x 9.2 x 4.3 cm
- **Product weight:** 400 g
- **Weight with packaging:** 500 g

Set contents:

- RFID reader for access control
- Special Allen key

Features:

- Solid, metal, damage-resistant and water-resistant housing
- Door can be unlocked with a 13,56 MHz RFID card
- Can be connected to external devices and create an access control system
- DC 9V-16V working voltage and Wiegand 26 and Wiegand 34 interface

Installation

Use a Phillips screwdriver to remove the screw between the panel and the motherboard. Then attach the motherboard to the sidewall with a dowel and screws.

Wired connection

Wiegand 26/34		RS485		RS232	
Red	DC 9V – 16V	Red	DC 9V – 16V	Red	DC 9V – 16V
Black	GND	Black	GND	Black	GND
Green	D0	Green	4R+		
White	D1	White	4R-	White	TX
Blue	LED				
Yellow	Sound				
Grey	26/34				
Orange	Ring				
Brown	Ring				

Comments

1. Check the electrical voltage (DC 9V - 16V) and distinguish between the positive anode and the cathode of the power supply.
2. When external power is used, we suggest using the same GND power supply with the controller panel.
3. The cable connects the reader with the controller, we recommend using an 8-wire twisted-pair cable (three

wires are spare). Data1 Data0 data cable is twisted pair cable, we suggest that the cross-sectional area should be at least 0.22 square millimeter. The length should not exceed 100 meters. Shielded GND wire connection, two-core cable will improve the reader's working efficiency (or the use of AVAYA multi-core cable).