

# User Manual

---

## Mid-range access control RFID reader **SecureEntry-CR200RS**

# Table of contents

- Specifications: ..... 3
- Set contents:..... 4
- Features: ..... 4
- Installation..... 5
- Connection diagram..... 5
- Comments ..... 5

## Specifications:

- **Warranty:** 1 year
- **Device Type:** Medium Range RFID Reader for Access Control
- **Color:** dark grey
- **Verification Type:** RFID Card
- **Operating frequency:** 125 kHz
- **Reading range:** 80 - 100 cm
- **Voltage:** DC 12V
- **Working Current:**  $\leq 100\text{mA}$
- **Type of Chips Read:** EM
- **Interface:** RS232
- **Communication Distance:**  $\leq 1200\text{ m}$
- **Operating temperature:**  $-10^{\circ}\text{C} - 70^{\circ}\text{C}$
- **Product dimensions:** 26 x 26 x 3.5 cm
- **Package dimensions:** 28.3 x 26.6 x 4.6 cm
- **Product weight:** 2 kg
- **Weight with packaging:** 4 kg

## Set contents:

- RFID access control reader with cable

## Features:

- The medium-range reader allows you to read data from an RFID card from a distance of 80 cm to even 1 meter
- The RS232 interface allows, among other things, to connect the reader to a computer for data transmission, or to connect it to a microcontroller and create a barrier control system, such as in car parking lots.
- The RFID reader is ideal for the entrance to the building as an access device

# Installation

Use a Phillips-type screwdriver to loosen the screw between the panel and the motherboard. Next, attach the motherboard to the sidewall with a plastic plug and screws.

## Connection diagram

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	BEEP				
Grey	26/34				
Orange	Bell				
Brown	Bell				

## Comments

1. Check the electrical voltage (DC 9V - 16V) and distinguish the positive anode and 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 8-wire twisted pair cable. The Data0 data cable is twisted pair cable, we suggest that the cross-sectional area should be at least 0.22 square millimeters. The length should not exceed 100 meters.

Shielded wire connects GND, and two-core cable will improve the reader's working efficiency (or the use of a multi-core AVAYA cable).