**Robotina d.o.o.**
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

# 1. CR-D1-V2-PX-BK

**RFID, QR code code readers, iBeacon transmitter, 4“ graphical touch display**



| | | |
|---|---|---|
| Model number: | **CR-D1-B** | Black |
| Mounting: | Field, on wall | |
| Old code: | CR-D1 | |

## 1.1. Features

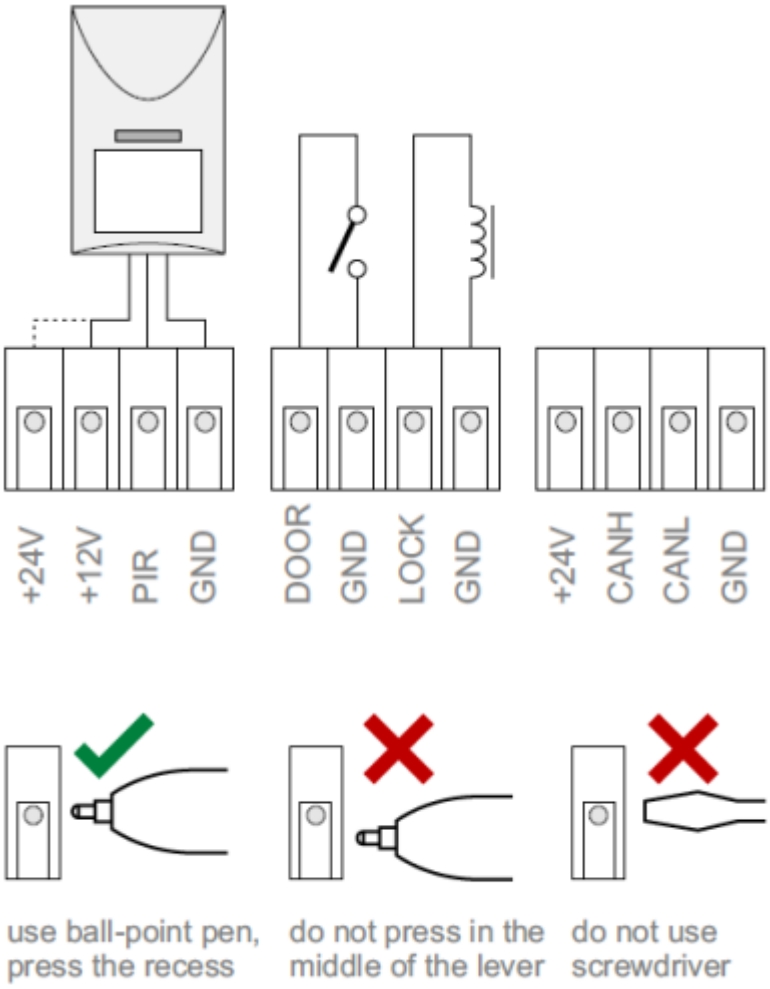
- touch display 4“
- RFID card reader
- QR code reader
- iBeacon transmitter
- digital output for door lock
- digital input for door sensor
- digital input for PIR sensor
- 2 spare digital inputs

## 1.2. Technical specification

| | |
|---|---|
| **RFID reader** | |
| Tag frequency | 125kHz |
| Reading distance | 0..5cm |
| Output format | 32-bit binary |
| **QR reader** | |

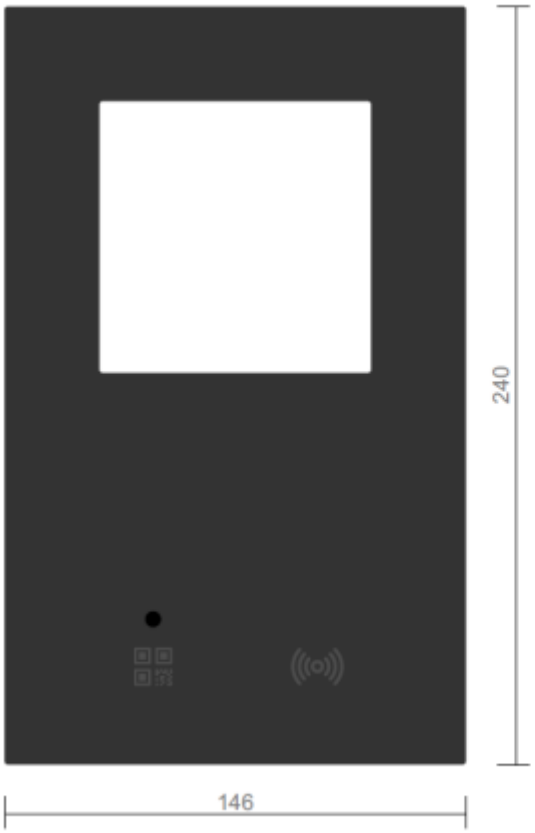
| | |
|---|---|
| **RFID reader** | |
| 2D formats | QR, Data Matrix, PDF417 |
| 1D formats | EAN13, UPCA, UPCE0/1 |
| Reading distance | 1.5..15cm |
| Environment light | 50 lux..100,000 lux |
| Decoding time | 400ms |
| Optimal QR size | 22x22mm |
| Output format | plain text |
| **Beacon** | |
| Bluetooth protocol | BLE 5.0 |
| Frequency band | 2.4GHz |
| Broadcast range | 5m |
| Advertising interval | 500ms |
| Local name | CYBRO |
| **Touch display** | |
| Diagonal Resolution | 10cm (4”) |
| Resolution | 480×480 TFT |
| Touch panel | capacitive |
| Interface | RS485 115200 8n1 |
| Cable length | n/a (D1, D2), 100m (D3) |
| Digital input | |
| Input type | dry contact, internal pull-up 12V 2mA |
| Cable length | 50m |
| **Door lock output** | |
| Voltage | 12V or 24V, software adjustable |
| Output current | 500mA |
| Protection | short circuit, overvoltage, overheating |
| Cable length | 50m |
| **PIR sensor** | |
| Input type | dry contact, internal pull-up 12V 2mA |
| Power output | 12V 25mA |
| Protection | short circuit, overheating |
| Cable length | 50m |
| **General** | |
| Power supply | 24V (18..28V), 85mA (+door lock) |
| Terminals | push-button cage clamp 3.5mm |
| Wire diameter | stranded 0.2..1.5mm2, solid to 1mm2 |
| Operating conditions | 0..45°C, 0..85% rh non-condensing |
| Storage temperature | -20..75°C |
| Degree of protection | IP20 |
| Dimensions | 98x200x29mm |
| Weight | 350 g |

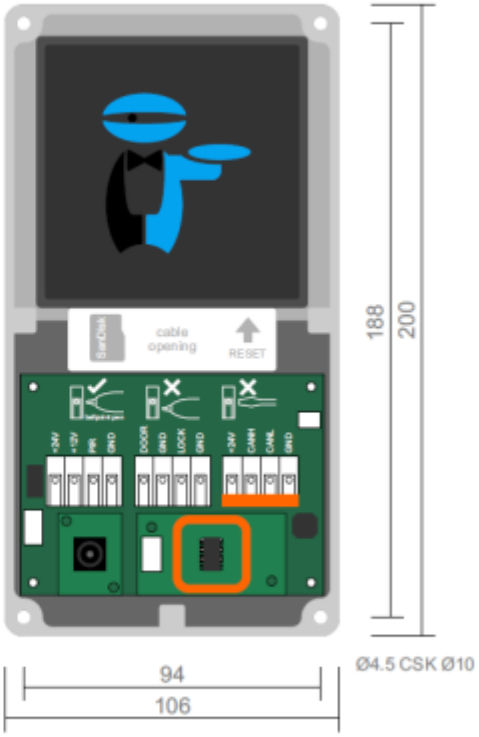
# 1.3. Terminals




## 1.4. Dimensions & Mounting

Mounting




Fixed using four 4.5mm countersunk screws.
Front plate dimensions depend on the model.
Compatible with a wide range of flush boxes.

## 1.5. TGP app

CR-D TGP communication & aplication