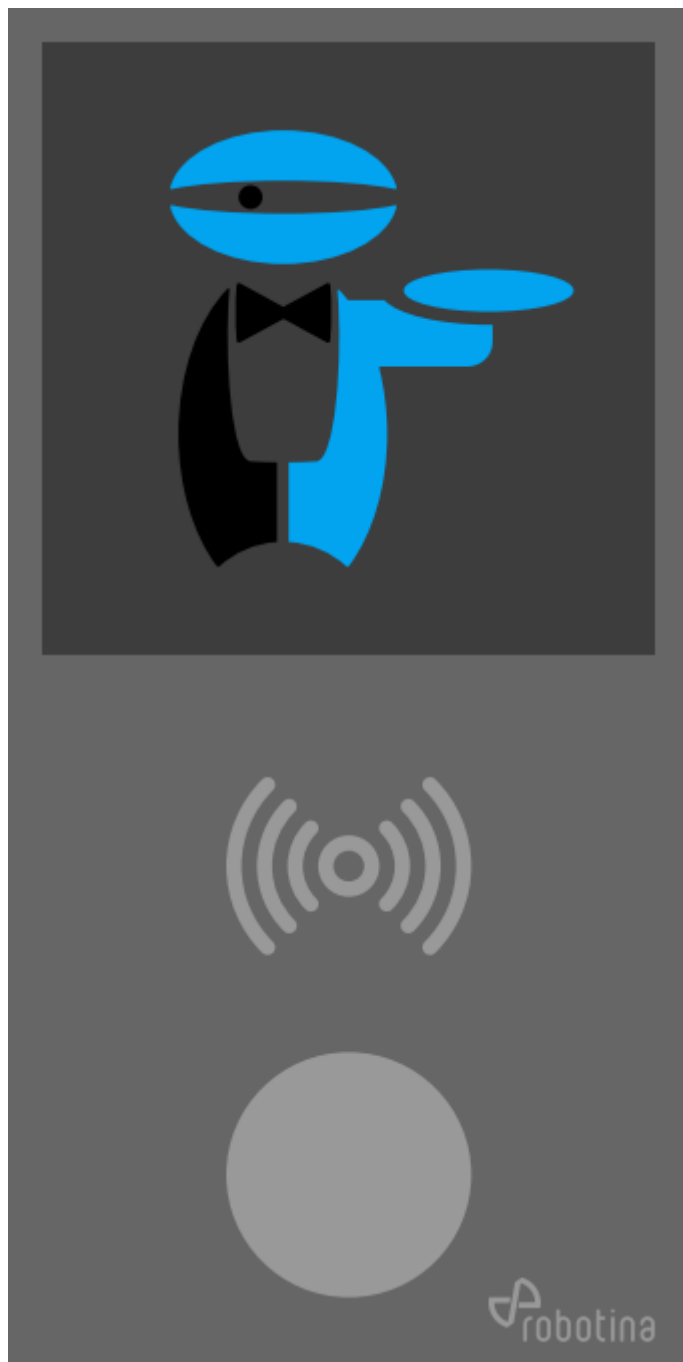


# 1. CR-D1-B

RFID, QR code code readers, iBeacon transmitter, 4" graphical touch display



|               |                |       |
|---------------|----------------|-------|
| Model number: | <b>CR-D1-B</b> | Black |
| Mounting:     | Field, on wall |       |
| Old code:     | CR-D1          |       |

## 1.1. Features

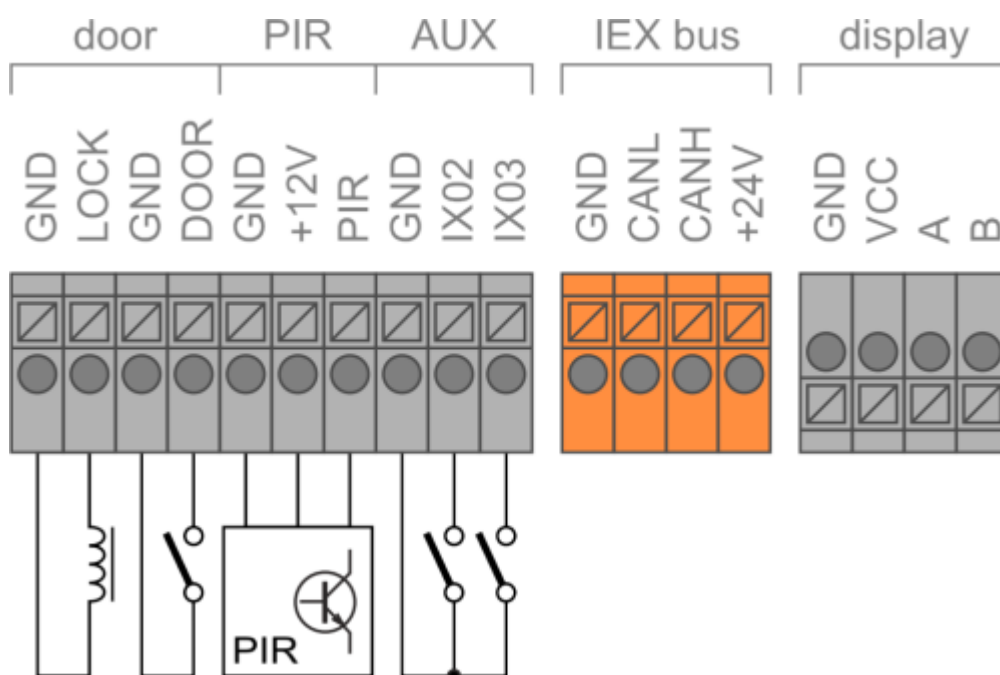
- touch display 4"
- RFID card reader
- QR code reader
- iBeacon transmitter
- digital output for door lock
- digital input for door sensor
- digital input for PIR sensor
- 2 spare digital inputs

## 1.2. Technical specification

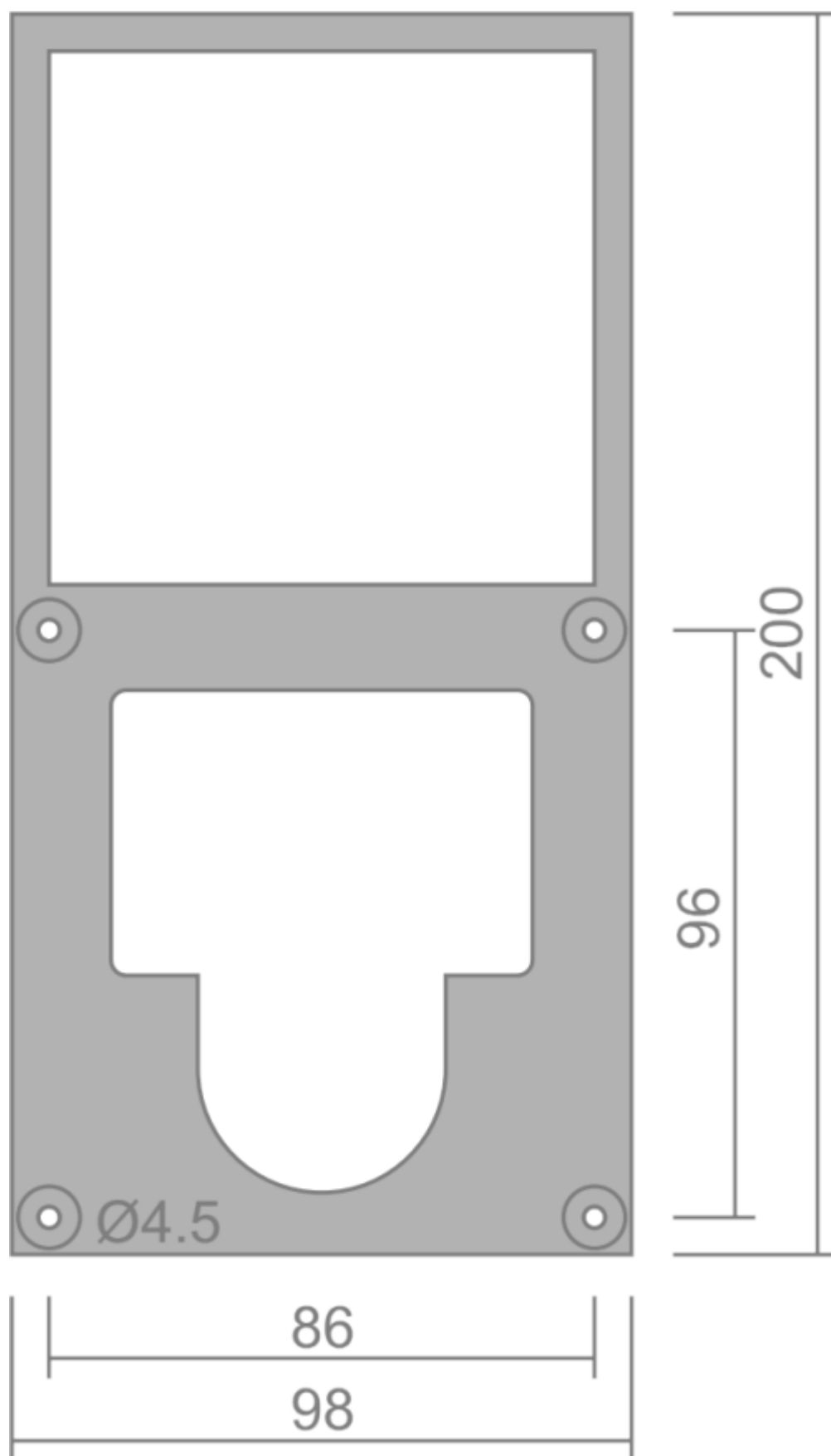
| RFID reader          |                                         |
|----------------------|-----------------------------------------|
| Tag frequency        | 125kHz                                  |
| Reading distance     | 0..5cm                                  |
| Output format        | 32-bit binary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

| RFID reader          |                                                              |
|----------------------|--------------------------------------------------------------|
| 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..1.5mm <sup>2</sup> , solid to 1mm <sup>2</sup> |
| 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



## 1.5. TGP app

[CR-D TGP communication & application](#)