Optional Features

The RSSI level can be set for BLE use. This allows you to select one of the following settings:

- RSSI = -128, maximum distance (40+ feet)

- RSSI = -40, minimum distance (a few inches)

To set the RSSI level:

1. With the HH6 powered, go into Menu Tools.

2. Select 2 – Prog. Reader.

3. Select 1 – Change RSSI.

4. Set the desired RSSI level.

Custom Firmware Requirement

Keyscan CA150 ACUs (PC1156 dipswitch version board) with custom firmware #CF10010 V1.63. Keyscan CA250, CA4500, CA8500 ACUs (PC1097 dipswitch version board), EC1500 or EC2500 ECUs with custom firmware #CF10004. To be able to read the unique dormakaba credential bit structure.

Specifications

Dimensions
1.69″ (W) x 2.70″ (L) x 1.57″ (D) / 44 mm x 67 mm x 40 mm
Includes mounting bracket

Power Requirements
12 VDC, 200 mA maximum - idle current 12 mA

Cable
6 conductor shielded 22 AWG cable—152 metres (500 feet) maximum

Weight
3.2 ounces / 90.7 grams

Environmental
Operating Temperature: -35 to 66 °C (-31 to 151 °F)

dormakaba Canada Inc.

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905.430.7226 (elsewhere)

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Technical Support

Hours – 9:00 A.M. to 6:30 P.M. Eastern Time, Monday to Friday

SRK-RCFN2 Installation Guide – KD10100-E-0319

SRK-RCFN2 Recessed Mount Reader with BLE

Installation Guide

This guide outlines how to connect the SRK-RCFN2 Recessed Mount Reader with BLE.

Contents	
Features	1
Connections	2
Mounting Template	3
dormakaba BLE Programming	3
Custom Firmware Requirement	4
Specifications	4

Parts List	
Reader module	1

Features

- Proximity RFID technology

- Compatible with dormakaba credentials

- Durable materials and construction

- LED power indicator

- Compact, lightweight, and water resistant

- BLE-enabled with Demo BLE, must be re-programmed to work with end-user BLE

Figure 1 — SRK-RCFN2 — Recessed Mount Reader

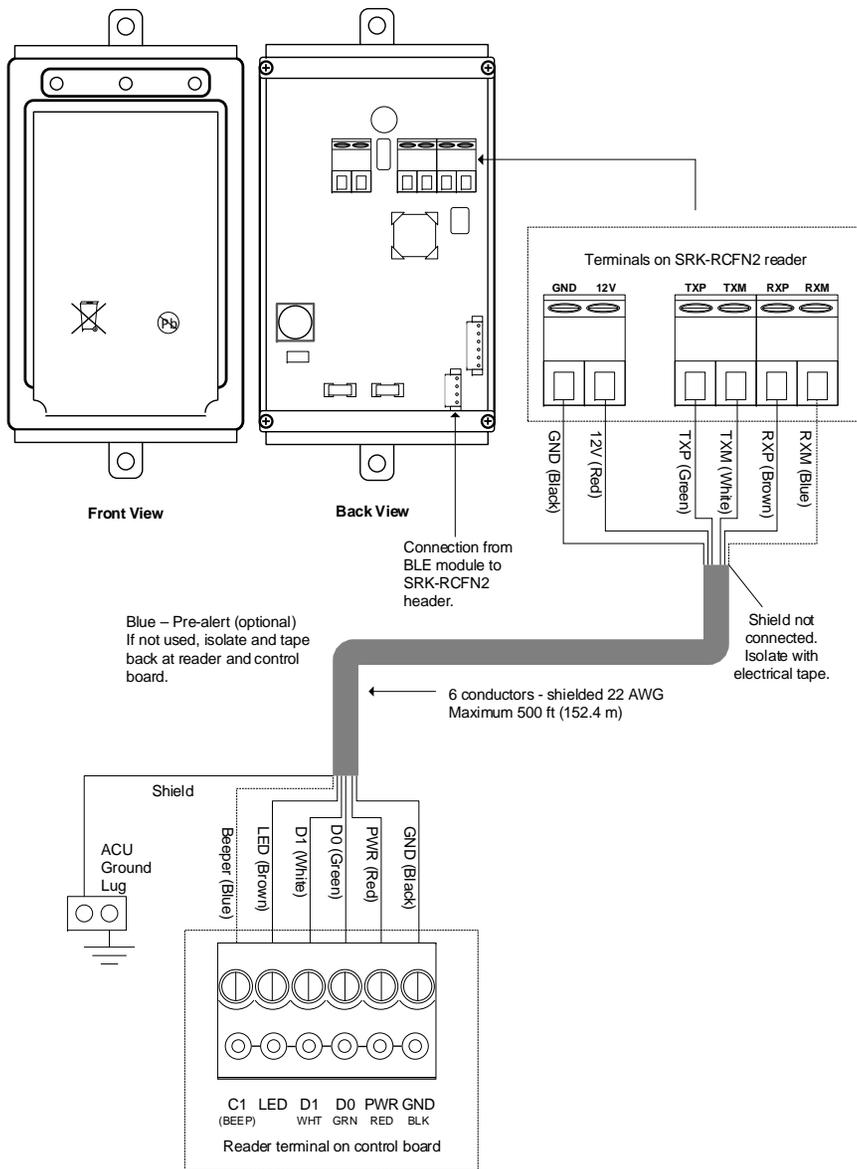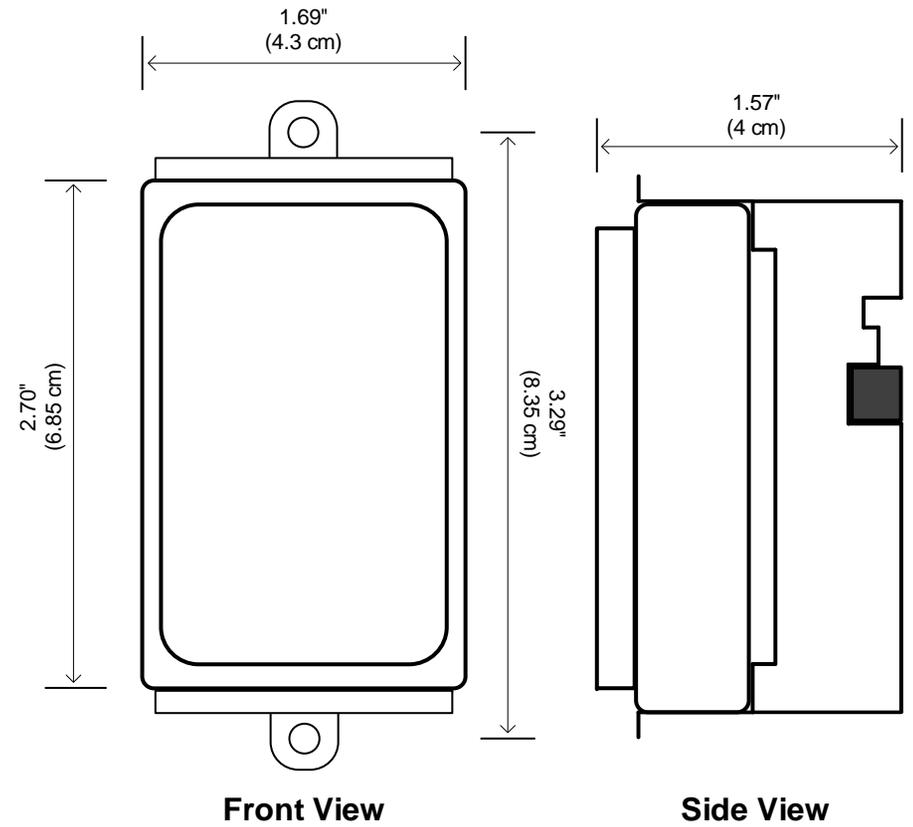**Figure 2 – SRK-RCFN2 Connections to a PC109x Control Board**

Front View

Back View

Terminals on SRK-RCFN2 reader

GND   12V   TXP TXM   RXP RXM

GND (Black)
12V (Red)
TXP (Green)
TXM (White)
RXP (Brown)
RXM (Blue)

Connection from BLE module to SRK-RCFN2 header.

Shield not connected. Isolate with electrical tape.

Blue – Pre-alert (optional) If not used, isolate and tape back at reader and control board.

6 conductors - shielded 22 AWG Maximum 500 ft (152.4 m)

Shield

ACU Ground Lug

Beeper (Blue)
LED (Brown)
D1 (White)
D0 (Green)
PWR (Red)
GND (Black)

C1   LED   D1   D0   PWR   GND
(BEEP)   WHT GRN RED   BLK

Reader terminal on control board

Figure 3 – SRK-RCFN2 Mounting Template

1.69" (4.3 cm)

1.57" (4 cm)

2.70" (6.85 cm)

3.29" (8.35 cm)

Front View

Side View

dormakaba BLE Programming

SRK BLE readers are factory defaulted to the demo BLE Project ID and require on-site programming based on the customer's site code as entered in their database.

Required Hardware (not provided)

- HH6 Version 2.17 or higher
- Cable DB (to Molex) Part#: A71800

Program Project ID

Follow these steps to program the reader with the end-user BLE Project ID:

1. Sync the HH6 device with the dormakaba DB, which uses the assigned BLE Project ID.
2. Power the HH6 device.
3. Go into the Menu Tools.
4. Select 2 – Prog. Reader.
5. Select 5 – Prog. Keysc BLE.
6. Follow the instructions on screen.