SRK-RNFC2 Flush Mount Reader with BLE

Installation Guide

This guide outlines how to connect the SRK-RNFC2 Flush Mount Reader with BLE.

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-RNFC2 — Flush Mount Reader

dormakaba Canada Inc.

901 Burns St., E. Whitby, Ontario, Canada L1N 0E6

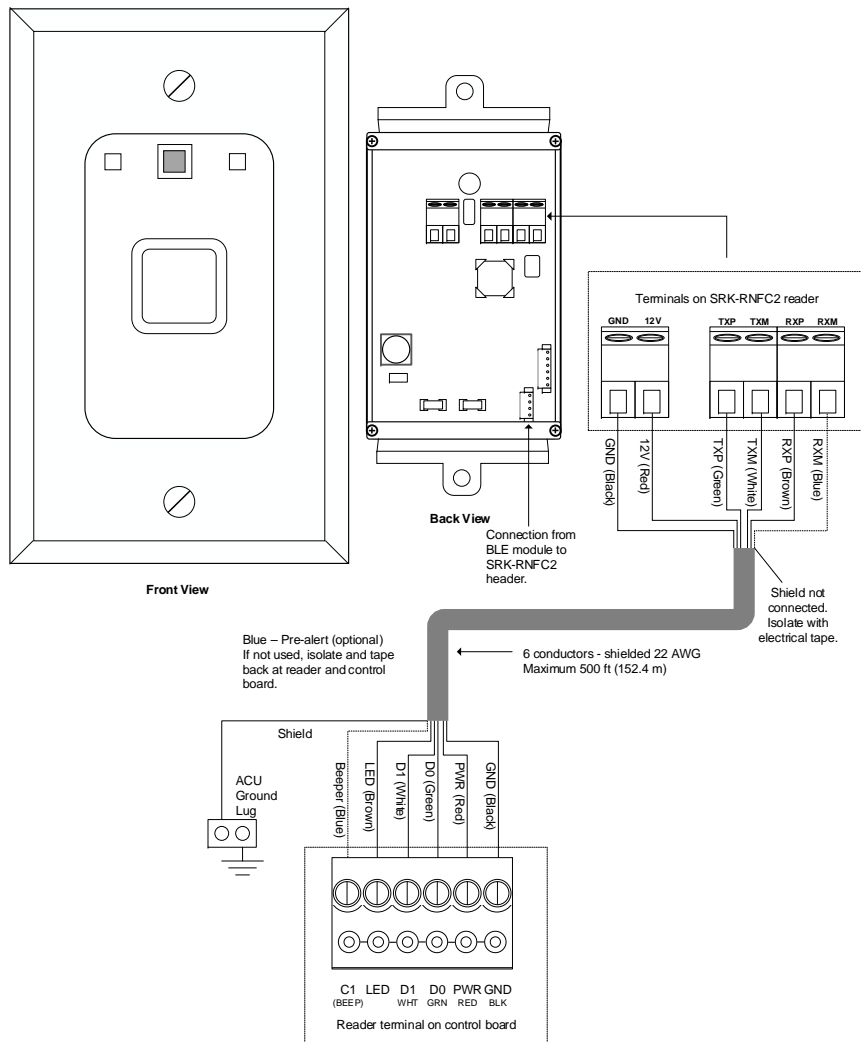1.888.539.7226 (toll free Canada/USA)

905.430.7226 (elsewhere)

www.dormakaba.ca

Technical Support

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

SRK-RNFC2 Installation Guide — KD10101-E-0319

Figure 2 – SRK-RNFC2 Connections to a PC109x Control Board

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

2.17" (W [hole to hole]) x 3.62" (L [hole to hole]) x 1.73" (D)/55 mm x 92 mm x 45 mm

Includes mounting bracket and wallboard mount adapter plate.

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 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.

Optional Features

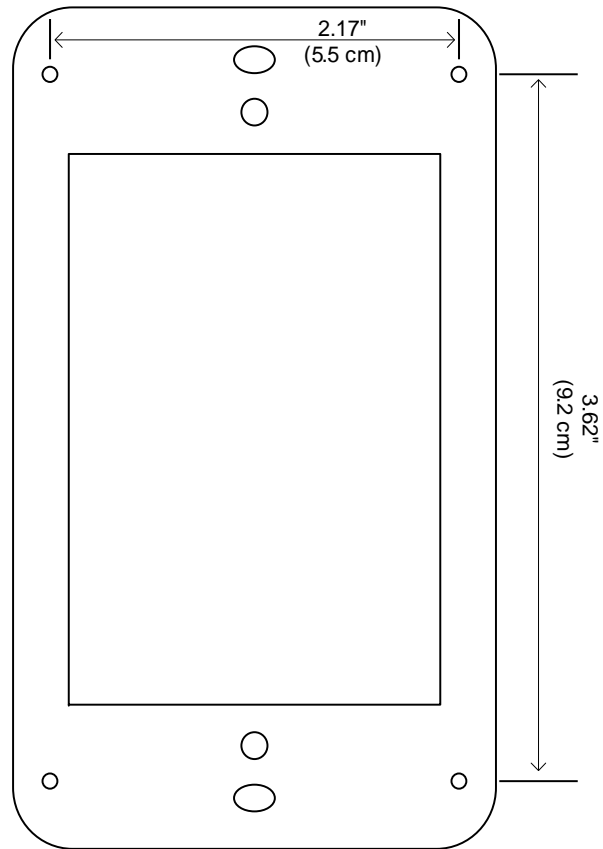The RSSI level can be set for BLE use. This allows you to select one of the following settings:

- 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.

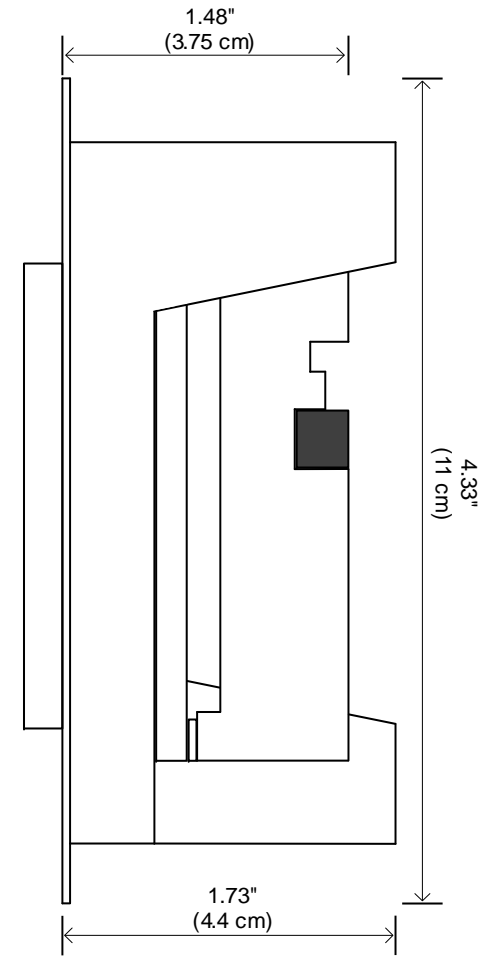This page is left intentionally blank.

Figure 3 – Wallboard Mount Adapter Plate Mounting Template

2.17"
(5.5 cm)

3.62"
(9.2 cm)

To install, mark the holes on each of the four corners of the adapter onto the wall, draw a line connecting the holes and cut the rectangle out.

Note: The SRK-RNFC2 is mounted into drywall only; not to be installed with standard electrical boxes.

Figure 4 – Wallboard Mount Adapter Plate Mounting Template (continued)

1.48"
(3.75 cm)

4.33"
(11 cm)

1.73"
(4.4 cm)

**Side View
with BLE**