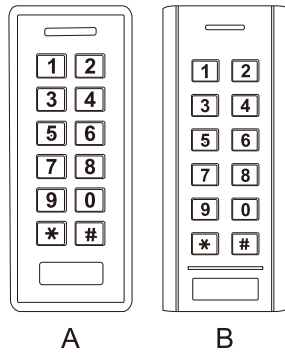# Keypad RFID Reader
(1-Wire Protocol)

A   B

User Manual
(20231227_V1)

1. Introduction

It is a waterproof 1-Wire Protocol Keypad RFID reader, can be mounted either indoor or outdoor in harsh environments.

Features:

· Standard 1-Wire protocol
· Power Supply: 9-80V DC
· Built-in antenna
· Supports 125kHz EM & 125KHz HID & 13.56MHz Mifare cards
· Low Power consumption
· Built-in buzzer
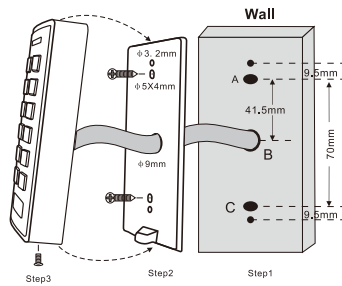· Read range up to 8cm
· Waterproof, conforms to IP66

Specification:

Operation Voltage	9-80V DC
Standby Current	≤35mA
Frequency	125KHz & 13.56MHz
Card Type	125KHz HID & EM cards, 13.56MHz NXP Mifare, Mifare Plus, DesFire, Mifare Pro, Mifare UltraLight, Mifare Class 4K, NFC and CPU cards
Operation Temperature	-40℃~ +60℃
Physical	ABS
Color	Black/ Ivory optional
Index of Protection	IP66
Dimension	A: L122 x W50 x D21 mm B: L120 x W50 x D20 mm
Net Weight	A: 155g B: 150g
Shipping Weight	A: 210g B: 200g

2. Installation

· Drill 2 holes(A, C)on the wall for the screws and one hole (B) for the cable
· Knock the rubber bungs to the holes (A,C)
· Fix the back cover on the wall with 2 screws
· Thread the cable though the cable hole (B)
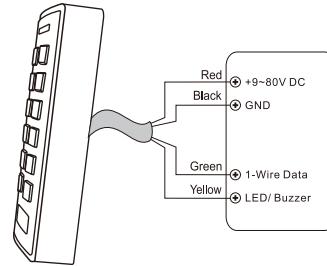· Attach the unit to the back cover

Wiring

Color	Function	Notes
Red	Power+	9-80V DC Power Input
Black	GND	Ground
Green	1-Wire	1-Wire Data
Yellow	Feedback Input	Controlling LED/BUZZER

Connection

Red	+9~80V DC
Black	GND
Green	1-Wire Data
Yellow	LED/ Buzzer

3. Packing List

Name	Quantity
Keypad Reader	1
Manual	1
Wall Fixing Plugs	2
Self Tapping Screws	2