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Push Button Reader User Manual

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Push Button Reader - **PN: RDRPB**
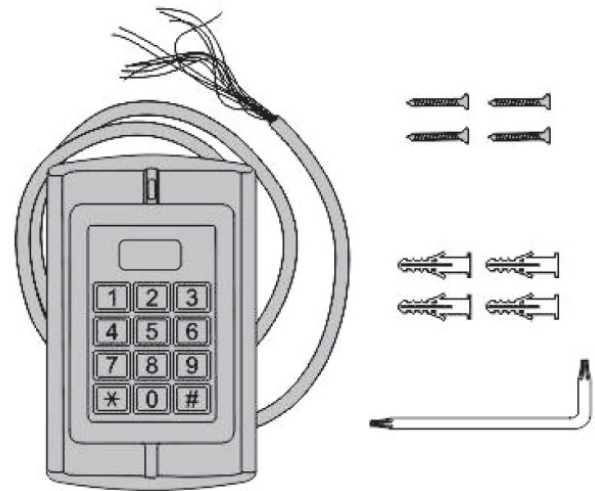
Push Button Reader Features

- Backlight keypad

ox cards supported

- Support 3 Modes Access: Card, PIN, Card+PIN

- Anti-vandal and waterproof design

- IP65 fully-potted

- Pulse mode, toggle mode

Package Contents

- Card Reader
- L Wrench
- Self Tapping Screws
- Expansion Rubber Bungs

The Push Button Reader equipped with a rugged backlit keypad, weatherproof design, and a durable zinc alloy casing, is built for applications where durability is key. The Push Button Reader offers the ability to unlock doors with proximity credentials, PIN, or the flexibility to configure two-layer security by requiring users to present a credential and enter a PIN to gain access.

NOTE: This reader requires a PDK system with an annual subscription to operate. Visit https://www.prodatakey.com to learn about **PDK.io** and our complete lineup of access control products.

Push Button Reader Specifications

Operating Voltage	AC/DC10-28V
Card Type	125 kHz Prox Card
Reading Distance	≤5cm
Idle Current	≤35mA
Operating Temp.	-40° ~ +140° F or -40° ~ +60° C
Operating Humidity	0~95%
Dust & Waterproof Rating	Conforms to IP65*
Dimensions	5.0 x 3.2 x 1.1 in. (128 x 82 x 28 mm)

*Can withstand dust, dirt, and sand, and is resistant against water projected from a nozzle.

Functional Description

1. When swiping the card, the indicator light turns green and the reader has a steady beep.Then indicator light turns red, wiegand signal is output at the same time.
2. When the LED line is lowered, the indicator light turns green; when the LED line is set high, the indicator light turns red.
3. When the BZ line is lowered, the buzzer rings. When the BZ line is lowered for more than 30 seconds or set higher, the buzzer will return to normal.
4. When the machine is illegally disassembled, the buzzer will ring and automatically stop after 1 minute.
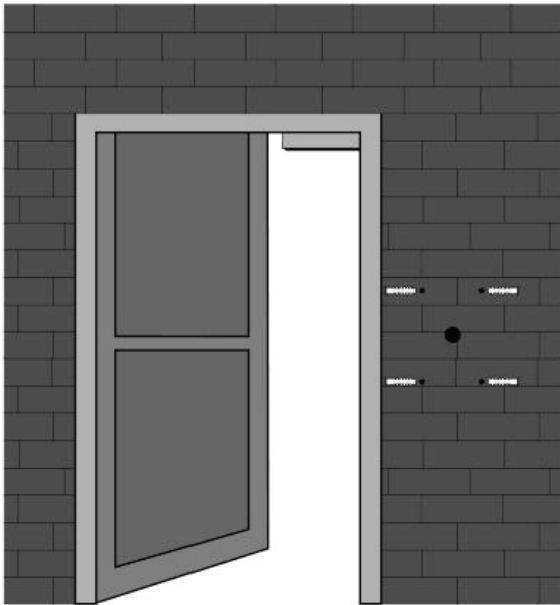
Push Button Reader Wiring

Wire Conductor	Function
Red - Power to **+** (positive) connector	DC Power +12VDC
Black - Power to **-** (negative) connector	Ground (**-**)
Green - To **D0** (data zero) connector	Data 0 (zero)
White - To **D1** (data 1) connector	Data 1
Brown - To **LED** connector (Required) On ground, continuously on	Green LED
Yellow - Buzzer control input	Piezo Buzzer (C)

According to the selected wiring diagram, cut the lead wire to the right length and cut off the excess thread, through the wall or in the embedded box, connect the system line with the wiring diagram. Be careful not to connect the wrong or short circuit, otherwise it may burn the machine. After checking, power on for a short time, test if the indicator light is normal and if the buzzer ring one time beep. Otherwise, power off immediately and recheck the wiring properly. After check again and if all is well, install the front case of the product onto the bottom case on the wall and fix it with the anti-demolition screw as below:
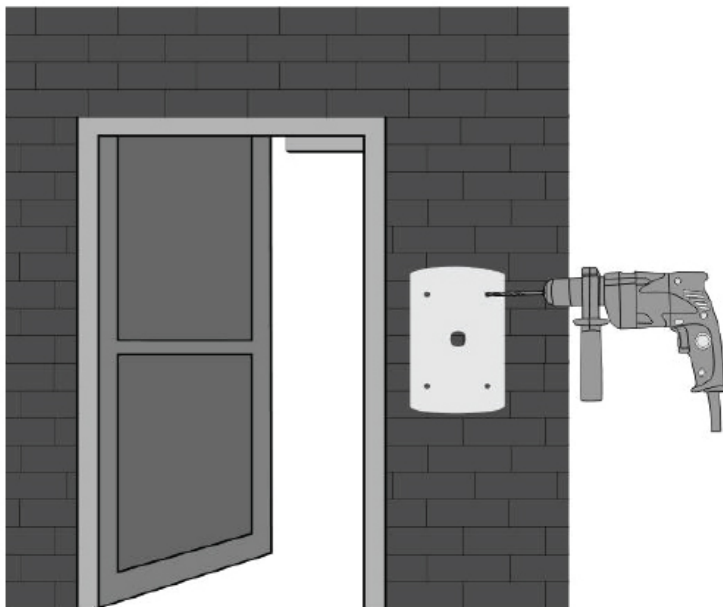
Installation

With the special anti-demolition screw-driver remove the anti-demolition screw at the bottom of the device. Take off the bottom case, and contrast the opening position of the bottom case and use the impact drilling to open the corresponding hole on the wall. It includes an outlet hole with a diameter greater than 8mm and four plastic screw holes with a diameter of 6mm. Then insert four matching plastic expansion screws, fix the bottom case on the wall with four matching self-tapping screws.
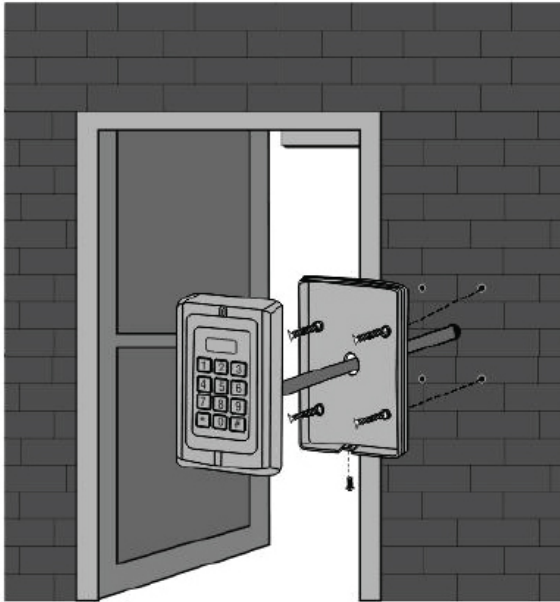
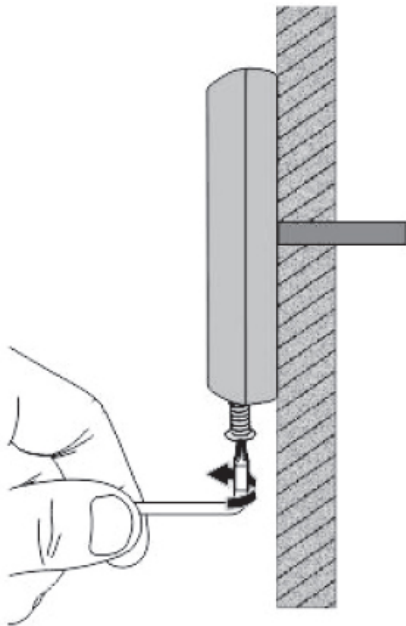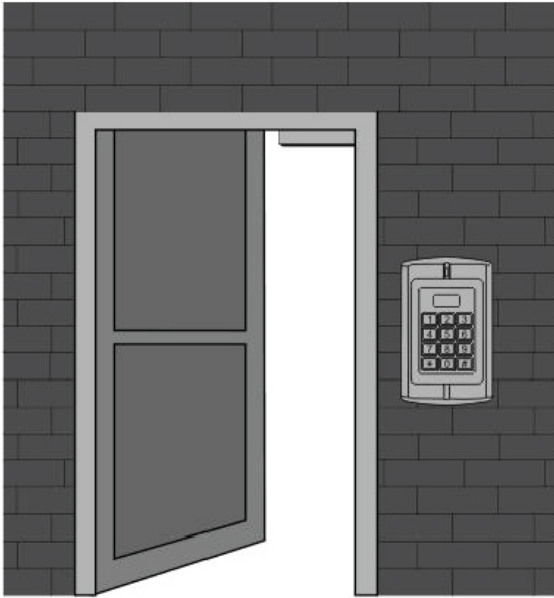# Step 1 - Mark your hole position

Step 2 - Drill installation holes

Step 3 - Insert four matching screws

Step 4 - Fix the bottom case and secure the case screw

Technical Support

Should you require any technical assistance, please contact our knowledgeable ProdataKey Support staff. Your support queries, covering hardware, software installation, trouble tickets, troubleshooting, return merchandise authorization (RMA), or any other questions, will be addressed as soon as possible.

NOTE: To receive an RMA from PDK, we must first troubleshoot the device before issuing an RMA number and returning the device to the user.

- **Phone**: 801.317.8802 option #2

- **Email**: support@prodatakey.com

ProdataKey, LLC - 67 West 13490 South, Draper, Utah 84020 United States

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ProdataKey Readers

Ver: 20200930

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- **Phone**: 801.317.8802 option #2
- **Email**: support@prodatakey.com

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- **Phone**: 801.317.8802 option #1
- **Email**: sales@prodatakey.com

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