

install guide

Parts Included:

- Reader, Mounting Wall Plate,
- (2) #6 Machine Screws (Wall Plate)
- (1) #6-32 Phillips Screw (Security)
- (1) #6-32 Pin-in-Torx Screw (Security)
- Terminal Block
- Pigtail

Tools Needed (not supplied):

- Phillips Screwdriver
- 1" (25mm), 1/8" (3.175mm) drill bits
- T6 Security Torx Bit (optional for increased tamper detection)
- #6-32 Tap (if required)

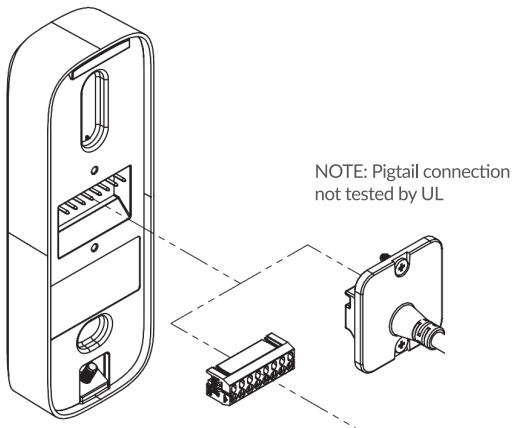
1. Mounting Holes for Wall Plate

Drill two mounting holes at least 1.7" apart. Drill a 1/2" hole in the center for the pigtail wire to pass through. Use the plate as a guide for drilling.

2. Install Wall Plate

Once the holes are prepared, screw the wall plate in using the provided #6 screws.

3. Wire the Cable to the Control Panel**



Cable Connections

Wire Color	OSDP	Wiegand
Red	5-24VDC	5-24VDC
Black	Ground	Ground
White	Data 0	Data 1
Green	Data 1	Data 0
Orange*	Red LED Control	Red LED Control
Brown*	Tamper Out	Tamper Out
Yellow*	Buzzer Control	Buzzer Control
Blue*	Green LED Control	Green LED Control

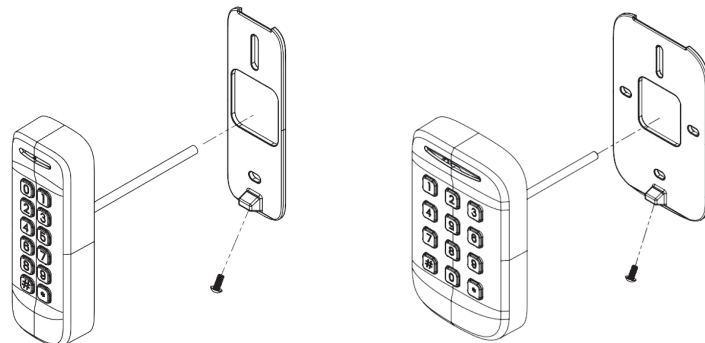
* These wire are optional when wired OSDP

** All wiring methods used shall be in accordance with the National Electrical Code, ANSI/NFPA 70 and local codes. Readers must be powered by a compatible UL Listed, limited power source, access control panel rated 5-24 VDC.

	Mullion RMPBV2	Mullion Keypad RMKPBV2	Single Gang RGPBV2	Single Gang Keypad RKPBV2
Max Current @ 12V	95 mA	101 mA	125 mA	141 mA
Max Cable Length to Panel	Wiegand: 500 feet with 18 AWG OSDP RS485 (powered at 12VDC): 1000 feet with 22 AWG Shielded Twisted Pair			

4. Attach the Reader to the Wall Plate

Align the reader so the base plate tabs slide into the wall plate slots, then slide the reader into position.



5. Install the Security Screw

Install the #6-32 Phillips or Pin-in-Torx Screw at the bottom of the reader at a 45° angle.

6. Test the Reader

Power the reader and wait for the power-up LED and beep sequence to complete. Present a valid credential to the reader; the light-bar should turn green. If the test fails, check the wiring.

First Sequence:		
On power-up, the Red Readers display an LED and beeper sequence to indicate the reader type and its communication mode. The first sequence describes the RF Technologies.		
Red High-Security, Prox, and BLE = 3 Green LED Flashes		
Second Sequence:		
The second sequence indicates the Wiegand / OSDP Mode		
Wiegand Only	OSDP Only	Auto-Detect
Beep and Blink Red LED Once	Beep and Blink Green LED 2 Times	Beep and Blink Green LED 4 Times

Keypad Mode Setup

Within 1 minute of the reader reset, enter the keypad config code: *88889999. The reader beeps three times; the LED flashes green for each beep. Within 2 seconds of entering the keypad config code, press the corresponding key code below for the desired format. The reader then beeps three times; the LED flashes green with each beep.

4-Bit Format	8-Bit Format	26-Bit Format
*4	*8	#XXX

NOTE: *Keypad formats not tested by UL

Installation Tips

- When connecting the reader to a Wiegand panel, connect the green wire to Data 0 and the white to Data 1.
- When connecting the reader to an OSDP panel, connect the green wire to RS485A and the white wire to RS485B.
- For an OSDP system, verify communication between the panel and the reader before attempting to read a credential or use the keypad.

NOTE: If needed, returning to OSDP Auto-Detect Mode (Default Mode) requires assistance from Technical Support.

Performance Levels

Destructive Attack: I

Line Security: I

Endurance: I (125 kHz, 13.56 MHz), I (BLE)

Standby Power: I

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by ProdataKey could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

For MS1 rating, equipment should not be installed above 2 meters. Consult the dealer or an experienced radio/TV technician for help. This telecommunication equipment conforms to NTC technical requirement. This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.