

Operating Instructions

The Versa Plus Dual (VPD) is a compact wireless security contact that can be installed on windows, doors, and many other objects that open and close. The Mini Plus is equipped with a **Bluefield™** LED that glows **BLUE** when a magnetic field comes within range of the sensor during startup, and is also equipped with a **GREEN** LED that flashes upon proper initial startup and each time a signal is transmitted to the control panel. Signal transmission occurs when a magnet is brought within range or is moved out of range of the sensor.

The VPD is also equipped with a **RED** LED that will flash to indicate when the battery has reached the low battery operating level for the sensor. A low battery signal will also be transmitted to the control panel.

Note: The **Bluefield™** and green signal LED's are operational when the cover is removed and will operate for 3 minutes after the cover has been installed. To restart these LED functions, remove the cover. A tamper switch has also been added for additional security.

- ▶ Magnet is within range of VPD
- VPD is transmitting
- Low battery warning

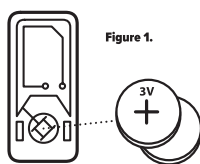


Figure 1.

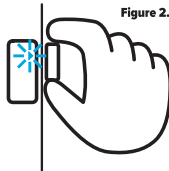


Figure 2.

Installing the Versa Plus Dual

Note: Always test in place before securing the VPD to its final location.

1. Select the desired location for the Mini Plus and magnet and insert the batteries (positive side up¹) into the base of the VPD. **See figure 1.**
2. Hold the sensor up in the desired location and temporarily tape in place. Now hold the magnet up to its desired location. If the magnet is within range to trigger the sensor, the VPD's Bluefield™ LED arrow will glow, ensuring proper placement. **See figure 2.**
3. If the **Bluefield™** LED arrow does not glow, position or orientate the magnet closer to the VPD, or in some cases use a larger magnet to bridge the gap.
4. Once the correct location of the magnet has been found, fix the VPD and magnet in place with the included 3M 4945 tape.

Programming

The following steps describe general guidelines for programming (learning) the sensor into the alarm control panel memory. For more details, please refer to the security panel manufacturer's installation & programming Instructions.

1. To remove the top of the VPD, use a small flathead screwdriver and twist the top cover off utilizing the recessed indents on the sides of the sensor.
2. Set the panel to sensor learning mode. Press and release the tamper switch on the sensor until the panel responds.
3. Replace the top of the sensor.
4. Exit program mode.

Testing

Before mounting the sensor, verify that the sensor mounting location provides good RF communication to the panel. To verify, do the following:

1. Put the control panel into sensor test mode.
2. With the cover off (or during 3 minutes after replacing the lid) hold the magnet up to the VPD so that the **Bluefield™** LED is illuminated and then pull the magnet away from the sensor. You will see the **GREEN** signal LED flash indicating a signal has been transmitted.
3. Listen for siren or keypad beeps to determine appropriate response (refer to the control panel installation instructions).
4. Exit sensor test mode.²

Note: It is recommended that a system test be performed per the Operation & User's Guide at least once a year.³ Never handle the circuitboard by its antenna or by pulling on it. Doing so will void the warranty.

Mounting Guidelines

When installing the VPD on a door or window, mount the sensor on the frame and the magnet on the door or opening portion of the window. This is to ensure that the sensor receives the least amount of movement as changing the orientation of a wireless device can effect its performance.

- If possible, place the VPD within 100 ft. of the security panel. While a transmitter may have an open air range of 500+ feet, a home and office environment can have different effects on the transmitter's range. Sometimes a change in the VPD's orientation can help enhance the wireless transmission.
- Avoid mounting the VPD in areas where it will be exposed to moisture or where the operating temperature of 32 to 120°F (0 to 50°C) will be exceeded.
- Keep the VPD and magnet away from metal or metallic surfaces such as foil wallpaper.
- Avoid mounting the VPD in areas with a large quantity of metal or electrical wiring, such as a furnace or utility room as this can greatly affect the transmitting signal.
- Make sure the surface of the door or window frame is free of dust and film as this can affect tape adhesion.

Compatibility Adjustment

Note: Set compatibility before removing battery pull tab.

Adjust compatibility switch to coordinating security system.

1. **ON = SWITCH** Qolsys | Interlogix **See figure 3.**
2. **OFF = SWITCH** Honeywell | 2GIG **See figure 4.**

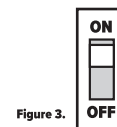


Figure 3.

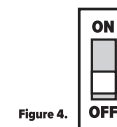


Figure 4.

FCC Notice

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT

IC Notice

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

¹ Improper installation of battery may cause damage to the unit.

² For UL compliance refer to control panel manufacturer's installation instructions for allowed signal strength for sensors. The sensors are to be verified to have the required signal strength during installation.

³ A low battery condition occurs at 2.3VDC.