prima by NAPCO

User Installation Guide

NAPCO

OI436LF 11/23

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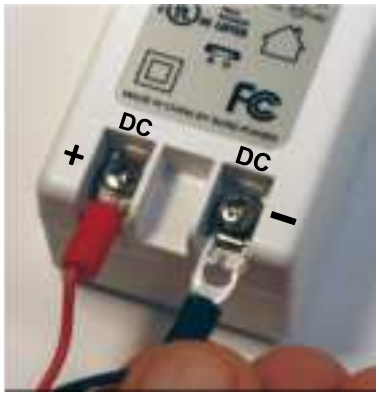
For technical service, contact your local security dealer.

Quick Start

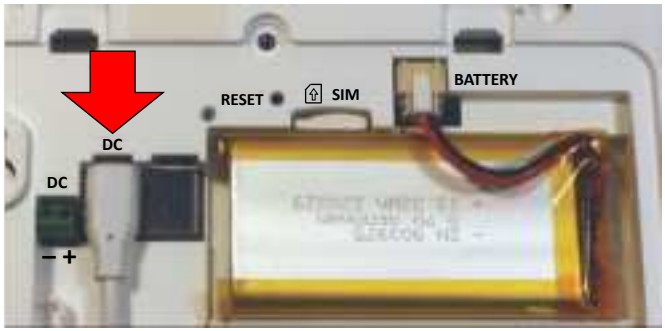
1 Wire the Power Supply

- Connect red to (+)
- Connect black to (−)



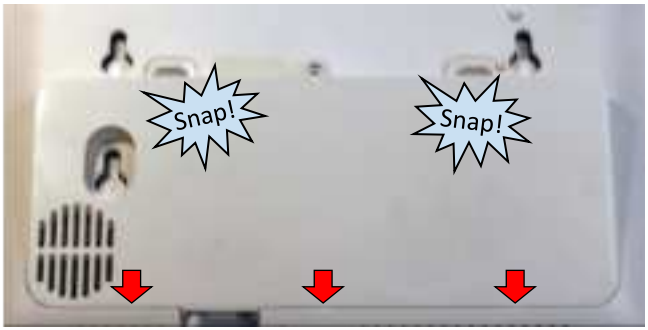
2 Connect Power Supply

Insert power supply into DC socket shown (arrow).



3 Install Cover

Insert tabs at bottom and press to snap clips in place.



4 Install Tabletop Stand

Slide tabs in as shown (no "snap").

Quick Start (cont'd)

5 Setup Wizard

Apply power and the Setup Wizard appears.

6 Tap Start

7 Select your Wi -Fi Network

8 Type your Password

(Text is cAsE SeNsiTiVe).

Quick Start (cont'd)

9 Create a Panel Master Passcode

It must be 4-digits.

10 Select Panel installation Location

11 Install Your First Sensor

Select the sensor device type.

12 Pair the Sensor to the Panel

Follow the on-screen instructions.

For technical service, contact your local security dealer.

Next: Continue following the system prompts to complete your installation. On the next page, scan the QR code to download the Mobile App.

Home Screen

The NAPCO **PP1A** Super Panel menu options run along the bottom of the screen and features icons to allow easy access to its most important panel features. See the next page for descriptions of each icon.

NAPCO Prima® Super Panel (Model PP1A)

Download the Mobile App Above QR Code will Auto-Detect your Operating System (Android or iOS)

For technical service, contact your local security dealer.

Panel Icons

Icon	Name	Description Allows you to set the panel changes. Allows you to
	Settings	add and edit sensors. Checks the state of the room sensors.
	Sensor List	Allows you to connect the doorbell camera and to set functions.
	Rooms	Displays a list of security events.
	Doorbell Camera	
	History	
	Home	Displays the status of the security system and open sensors.
SOS	Emergency	Allows you to send an emergency signal to the central station.

Status Bar Icons

Icon	Name	Description Allows you to set the volume of
	Volume	the panel. Allows you to set the brightness of
	Brightness	the screen. Indicates the Wi-Fi strength.
	Wi-Fi	Freezes the touch screen so it can be cleaned.
	Screen Clean	Indicates the level of cellular reception.
	Cellular	

Quick Settings Menu

To access the quick settings menu:
Tap the quick settings bar on the top middle screen.

To adjust the volume and brightness level:
Slide volume/screen brightness indicator left (decreases volume/brightness) or right (increases volume/brightness).

To clean the screen:
Click the screen clean icon ( ) and the screen will be disabled for 30 seconds to allow the screen to be cleaned without triggering activity.

Arming

The Super Panel allows the user to arm/disarm in stay mode or away mode, and to contact an emergency service.

Select Arming Method*:
Click the home button ( ) to select an arming method, either Leaving or Staying*.

Arm When Staying:
1. When selecting Staying, you have the option to instantly arm the system or set an exit time (**Settings** > **Arming** > **Staying** > **Exit time**).
2. **To Disarm:** Tap **Disarm** and enter your User passcode (User Code). To program the ability to disarm without a User passcode, go to **Settings** > **Arming** > **Stay** > **Disarm**.

Arm When Leaving
1. Select **Leaving** and the system will arm after a default exit time of 60 seconds.
2. **To Disarm:** Tap **Disarm** and enter your User passcode (User Code).

To Bypass a Zone
Note: If a sensor is faulted (e.g., door open), the system cannot be armed until the zone is either no longer faulted (e.g., door closed), or the sensor is bypassed.
1. Select an arming method, either Staying or Leaving.
2. Confirm by selecting **Bypass**.
3. The system arms normally; the screen identifies the sensor that is bypassed.

3 User Types

- **Master**: Only user with access to Settings; and must be set by default; only the Master user can add and/or delete users.
- **Hostage**: Duress ("Ambush") is disabled by default. After a Duress user passcode is created, duress is enabled. If an intruder forces you to disarm your system, enter the Duress user passcode to send a silent emergency alert to the monitored central station.
- **User**: User sub-types are: **Member**, **Scheduled**, and **Temporary**. A Member has the ability to arm/disarm at any time. A Scheduled user may only arm/disarm during pre-set times. A Temporary user may arm/disarm only until a specified time.
  1. Enter the Master passcode and select **Settings**.
  2. Select the [**+**] icon to add a User.
  3. Type a desired identification name, tap 'back' to save the name.
  4. Set the User Type: **Member**, **Scheduled**, or **Temporary** (see above type descriptions).
  5. Set the desired User passcode, and confirm.

*Throughout this document, "Leaving" is identical to "Armed Away", and "Staying" is identical to "Armed Stay".

Modify a User Name

1. Select **Settings** > **Users** > **select user** > **Edit new name**.
2. Select the desired field to edit. 9
3. Change the desired field and set name

Modify a User Passcode

1. Select **Settings** > **Users** > **select user** > **Change passcode**.
2. Change the desired field and set a new passcode.

Remove Existing User

1. Select **Settings** > **Users** > [**select user]** > **Remove/Delete**.
2. Select the icon to remove the desired user.

Adding Sensors

The **Devices** screen allows you to add, modify or delete sensors; you can also check the status of each sensor.

Add a Sensor

1. In the **Devices** screen, select the [**+**] icon.
2. Select the type of sensor.
3. In the **Trigger** screen, activate the sensor to allow it to be detected by the system.
4. Type a name for the sensor and select **Done** to finish or select **Settings** to configure any desired sensor / device features.
5. To check the state of the various sensors installed, select the **Sensor Type** and the **Access to Groups** screens. The **All Devices** screen allows you to check the state of all sensors.

Modify a Sensor

1. Select **Settings** > [***enter Master passcode***] > **Devices**).
2. Select the sensor type, then select the desired item(s) to be configured for the sensor.

Remove a Sensor

1. Select **Settings** > [***enter Master passcode***] > **Devices**).
2. Select the desired sensor and click **Delete** to remove.

Arming Settings

Allows you to modify the Security settings, including how to adjust delay times, volume and chime settings.

- **Bypass Arm:** On/Off; default is **On**. If **Off** is selected, you cannot arm the security system with a faulted ("open") sensor.
- **Voice:** On/Off; default is **On**. If **Off** is selected, the arming process occurs without sounds.
- **Beep:** On/Off.
- **Exit time:** Adjusts the exit delay time (duration after arming that allows you to open an exit door, leave the premises and close the door behind you).
- **Sensors:** Users can select the sensor to be armed or to be excluded from arming.
- **Arm:** On/Off; passcode required to arm.
- **Disarm:** On/Off; passcode required to disarm (only for Stayinf).

Access to Arming

Select **Settings** > [***enter Master passcode***] > **Arming** > select **Arming Stay** or **Arming Away**.

Auto-Arming

Allows the user to add an arming schedule.

1. Set up the desired Arming days of the week.
2. Enter the new name for Auto arming.
3. Select the desired Arming mode.
4. Set up the desired Arming days of the time.

Network Connection

Allows the user select the network to be used with the security system.

- **Cellular:** Allows the user to insert a valid SIM card inside the PRIMA-P1A panel to establish a secure network connection.
- **Wi-Fi:** Allows the user to access to the available Wi-Fi networks:
  1. Select **Settings** > **Network** > **Wi-Fi**. *(continued)*

2. Select the desired Wi-Fi network and enter the password.
3. Select **OK**.

- **Ethernet:** Allows the user to connect to a network through an Ethernet cable.

Testing Your System

Your security system operational tests include:

Walk Test -- Allows the user to check each sensor in the system. Triggering the sensor (e.g., open a protected door) verifies that the sensor is currently communicating with the PP1A panel.

Touchscreen Test -- Allows the user to verify that the PP1A touchscreen works correctly.

Wi-Fi Test -- Displays the currently connected Wi-Fi network name and its current status. **Note:** This test may take up to 60 seconds to conclude and display the results.

SOS Alert Test -- Sends a test signal to the central station. **Note:** Contact a central station representative before and during this test.

Ethernet Test -- Verifies Internet network connectivity.

Server Test -- Sends a test signal to the shared network computer to confirm data connectivity.

Call Test -- Displays the currently configured cellular information.

G Sensor Test -- An impact test of the integral G-Force accelerometer for correct registration of values.

Tamper (Panel) Test -- Tests the tamper switch operation when rear cover or tabletop stand is removed. Enter passcode to silence.

Camera Test -- Tests video transmission connectivity and encryption.

Speaker Test -- Tests if the Panel speakers are working properly.

Siren Test -- Checks that the selected siren is operational.

Microphone Test -- Checks operation and if properly configured.

LED Test -- Tests all LEDs for operation and responsiveness to inputs.

Battery Test -- Panel integral battery test of impedance and discharge.

Upload Log -- Select to view videos uploaded to your cloud library.

Developer Tools -- For internal firmware testing use only.

Panel Information

1. The ***Account*** tab displays the account and dealer information (screen 1).
2. Screen 2 displays the IMEI number, Firmware Version, Hardware Version, MCU Version, System version and APK Update time.

Panel -- Allows the user to set the time, temperature scale, screen LED attributes, etc.

Rooms -- Displays the total number of sensors in each room and the status of each.

1. Select the **Room** icon to display all the room(s) that have sensors.
2. Select the room to display the sensor(s) within.
3. Select the individual sensor to display the sensor information. If you wish to edit the sensor information, first enter the Master passcode.

History -- Displays a list of your logged security events (sometimes referred to as the "system log" or "audit trail"). Each event includes the time and state or action of the PP1A panel (armed, disarmed, troubled, faulted, etc.).

- The **History** screen displays all activity, including the arming/disarming and all alarms. Includes the time, state and action of the panel and selected sensors.
- The **Arm/Disarm** screen displays the time and state or action of the arm and disarm events.
- The **Alarm** screen displays the time and state or action of alarms that occurred.

Emergency Button (Panel)

The **Emergency** button is always available on the Menu bar. Press to instantly send an emergency signal to the monitored central station in a crisis.

Emergency Options

The **Emergency** screen features 3 options: **Call Medical**, **Call Police**, and **Fire Alarm**. The first two also have a **Send Silent** option that allows you to send an the call without sound. When activated, the home screen appears (as if the system is in a "normal" state) and the premises is contacted via telephone by the monitored central station.

Call Medical

Select to call the monitored central station with a medical emergency. When the central station answers, the panel screen changes to allow you to communicate with the central station agent through 2-way voice communication. **Note:** If the central station is called using a silent alarm, the 2-way communication screen will not be available. Access to the **SOS** screen allows the user to select Medical and confirm the Medical call request.

To Cancel a Medical Call

If you wish to cancel the medical call, select the **Cancel** button and enter the User passcode.

Call Police

Select to call the monitored central station with a police emergency. When central station answers, the screen changes to allow you to communicate with the central station agent through 2-way voice communication. **Note:** If the central station is called using a silent alarm, the 2-way communication screen will not be available.

Fire Alarm

Select to call the monitored central station with a fire emergency.

Specifications -- NAPCO Prima® Super Panel

Model Number	PP1A
OS	Android 7.1
Storage	8GB EMMC
LCD	7" Color, 1024x600, Capacitive Touch
LED	RGB, Status Indicator
Camera	5MP Color
LEDs	RGB Main Button, Status Indicator
Microphone	Dual Microphones, Echo Cancellation
Speaker	Dual Speakers, 1W
Siren	Piezo Buzzer, SPL minimum 85dB
Main Button	Single function, "Return to Home"
Secondary Button	Reset (Pinhole)
Tamper	Switch
Case Material	PC+ABS, White
Power Supply	12V 2.5A DC Adaptor, Input 100-240VAC 50/60Hz
Power Inputs	Micro USB, Screw Terminal
Battery	Rechargeable 3600mAh 3.7V Li-poly Battery, Min. 24Hr Backup
Mounting Options	Tabletop, Wall

(continued)

Specifications -- NAPCO Prima® Super Panel (cont'd)

Model Number	PP1A
Operating Temperature	14° to 122°F (-10° to 50°C)
Storage Temperature	-4° to 149°F (-20° to 65°C)
Weather Proofing	N/A
Regulatory	Z-Wave (TBD), FCC, CE (TBD), UL, SIA (TBD)
Wi-Fi	Dual Band 2.4GHz & 5GHz, 802.11 a/b/g/n
Ethernet	1000 Base via Type-C to RJ45 cable
Cellular	4G LTE, AT&T, Verizon (Future Release)
Z-Wave	Z-Wave Plus 700 Series, S2 Encryption
Sub-GHz	433 MHz, Encrypted, up to 820 ft. (250 m.) *
Maximum Zones	Up to 128 security zones with Encryption
Maximum Users	Up to 40. Master (1), Duress (1), Normal (38)
Z-Wave Plus	Control Z-Wave Thermostats, Dimmers, Locks, Plugs, and Garage Controllers
Dual Path Connectivity	Wi-Fi + LTE
Dimensions (H x W x D)	5.38 x 7.73 x 0.74 in. ()
Weight	17.04 oz. (483.10 g) without accessories, 25.16 oz. (713.40 g) with accessories

*The location of the Super Panel can have a significant effect on range. In open/unobstructed situations, the range may be greater; in adverse wireless conditions, you may encounter a decrease in range.

Arming Settings

Settings	Description	Range	Factory Setting
Bypass Alarm	Allows the system be armed if one or more devices is faulted. For example, allow the system to be armed while a window is open. The device protecting the window is "bypassed ", thus effectively removing the device from the system to allow arming.	On / Off	On
Voice Announce	Enable or disable voice announcements while the system is armed.	On / Off	On
Beep Countdown	Enable or disable an audible beep while the system is arming.	On / Off	Off
Time to Exit	Set the time the user has to exit the premises (open the exit door, leave the premises and close the door behind them) before the system is armed.	0-120 seconds in 15 second intervals	0 Seconds
Arm Passcode	Enable to require a passcode to arm the system.	On / Off	On

Security Settings

Settings	Description	Range	Factory Setting
Smart Arm	When enabled, the panel will recognize that you have armed the system but remained inside the premises, prompting the system to automatically adjust the interior protection accordingly by automatically bypassing all interior PIR motion sensor zones. **Note:** This feature requires one or more PIR motion sensors to be installed in your system.	On / Off	Off
Transmission Delay	The abort window for false alarms. During this time the alarm will sound but the central station will not be notified until the transmission delay has elapsed.	0, 15, 30, 45 second delay	30 Seconds
Siren Timeout	The duration that the siren will sound during an alarm event.	1-10 Minutes	4 Minutes
Swinger	"Swinger shutdown" is a false alarm prevention setting that prevents the alarm from repeatedly triggering from the same sensor or room. For example, if a single door is open and closed multiple times the panel will only sound X number of alarms, where X is the shutdown setting. **Note:** This setting does not affect calls to the central station monitoring company.	1-5x Shutdown	2x Shutdown
Intellizone	When enabled, the alarm will be triggered when two sensors are violated and the second sensor isn't a follower*; or if the same sensors is violated, restored, then violated again.	On / Off	Off

*An exit/entry "follower" zone is a zone that will ignore detection during the exit delay (and only during entry delay if the exit/entry door is entered first). Thus, detection devices (PIR motion detectors, for example) along the path between the keypad and the exit/entry door will not signal an alarm during exit/entry delay under normal conditions.

Security Settings (cont'd)

Settings	Description	Range	Factory Setting
Smart Alarm	A door/window sensor and motion sensor can be grouped in a room. When enabled, a motion sensor trigger must precede a door/window sensor trigger, otherwise the system will go into alarm. For example, in Staying (Armed Stay) mode, opening a window from inside would be allowed (with the PIR motion sensor being triggered before the window is opened) but opening the window from outside would not be allowed.	On / Off	Off
Exit Restart	By default, the system will restart the exit time if the entry/exit sensor or zone is tripped twice prior to the exit. For example, a user arms the system, opens the exit door, exits and closes the door. With exit time still remaining they re-enter the premises. Since the exit/ entry sensor was tripped twice, the exit time will restart.	On / Off	On
Unvacated Premises	If the exit time expires and no exit has been made (exit door not triggered), the system will switch to Armed Stay (Staying) instead of Armed Away (Leaving).	On / Off	On
Keyfob Instant Arming	When enabled, a press of a keyfob Stay or Away button and the system will immediately arm without an exit delay.	On / Off	Off
Force Zone	Any open "Force Zones" at the time of arming will be considered bypassed by the Super Panel. If during the exit delay any of the bypassed "Force Zones" are closed, the Super Panel will un-bypass (re-activate) that zone.	On / Off	Off

Security Settings (cont'd)

Settings	Description	Range	Factory Setting
Abort Annunciation	The Abort Delay window is a delay period that allows cancellation of the central-station signal by disarming the Super Panel before the signal is sent. If this feature is enabled and the alarm system is disarmed within the Abort Delay window, no alarm transmission will be sent.	On / Off	On
Cancel Annunciation	If an alarm has been transmitted to the central station but the system is disarmed during this "Cancel Annunciation" time window, a cancel signal will then be transmitted to the central station.	On / Off	On
Tamper	By default the panel will record and (loudly) sound an annunciation if the panel tamper switch is triggered by removal of the panel stand or back cover.	On / Off	On
G-Sensor	The panel contains an accelerometer to detect changes in panel position. When enabled, if the panel is physically moved while Armed Away (Leaving mode), an alarm will be triggered.	On / Off	Off
Cross-zoning	When enabled, the system requires two separate zones be tripped within a given time window before transmitting an alarm to the central station.	On / Off	Off
Siren Mute	If enabled when an alarm is triggered, all system functions will operate normally but the siren will not sound. After 30 minutes, the system will automatically re-trigger the alarm, but with the siren again remaining silent.	On / Off	Off

Panel Settings

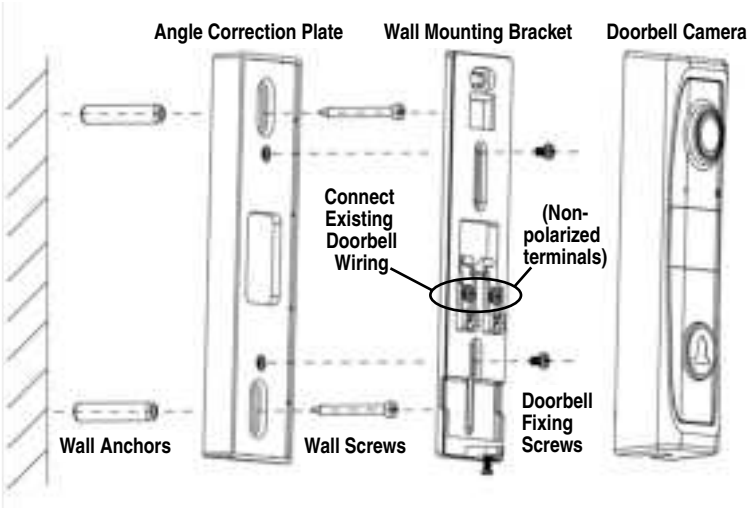
Settings	Description	Range	Factory Setting
Panel Location	The room where the PP1A panel is installed.	Room Location	On
Screen Timeout	To save power, the panel screen automatically turns off after this Screen Timeout duration if the panel is continuously idle (remains unused).	1, 3, 5, 10, 30, 60 Minutes or Never	5 Minutes
Time Format	Select the clock format displayed on the panel screens.	12 Hr. / 24 Hr.	12 Hr.
Take Picture	When enabled, the integral panel camera automatically takes a picture of the user during arm/disarm events. **Note:** Pictures can be viewed in the history.	On / Off	On
Video Capture	When enabled, the integral panel camera automatically starts recording video when an alarm is triggered and continues recording video while the system is in alarm. **Note:** Videos can be viewed in the history.	On / Off	On
Front LED	By default the 'Home' button displays an LED status light.	On / Off	On
Restart Panel	Select to reboot ("warm boot" restart) the Super Panel operating system.		

Doorbell Camera

The **PBELL** is a smart self-healing Wi -Fi HD video security doorbell powered by your existing doorbell 10-30VAC wiring.

Features:

- Live view streaming via Mobile app
- Two-way Audio through Mobile ap
- Full HD 1920 x 1080 Video Resoluti 119 (V)
- 2T2R Dual Band, 2.4GHz / 5GHz Wi-Fi for improved range
- On-device AI. Instant analysis of each event and accurate reduction of false triggers
- Real time communication to anyone who approaches your door via 2-way Audio
- Pre-recording supported. Capture all actions in video clips to be stored in cloud
- Compatible with the existing doorbell transformer (10-30VAC,10VA)



Preparations Before Pairing

1. Panel Network

Ensure the panel is connected to Wi-Fi to receive the camera pairing invite token from the cloud.

2. Power

Connect the doorbell to the existing doorbell wires (10-30VAC,10VA). **Rear terminals are non-polarized.**

3. Pairing Mode

Ensure the doorbell is "awake" and in 'Ready for Pairing' mode (**AP Mode**). To enter **AP Mode**, press the button LED once and observe that it changes from blue 'breathing' (slow increase / decrease in intensity) to white 'breathing' and prompts "**Ready for pairing**". **If not, perform a factory reset:** Press/ hold down the button until the LED is blue fast flashing, then release and repeat this step.

Doorbell Camera (cont'd)

Panel and Doorbell Pairing Steps

1. Enter panel **Settings**, tap **Devices**, then tap the**+** sign at the top right corner. Tap the Doorbell tile.
2. Press the doorbell LED button when in **AP Mode** (see previous section to enter **AP Mode**).
3. Panel displays the serial number of the doorbell. Select "**Yes**" to confirm the doorbell selection.
4. Wait 1-2 minutes while the doorbell is added into the panel. If the doorbell is not shown in the camera list, simply reboot the panel via selecting "**Restart Panel**" in panel **Settings**.

Operation Temperature	14° to 113°F (-10° to 45°C) Charging function 0°C - 50°C (32°F - 122°F)
Operation Humidity	(Storage): 80% Max. non-condensing
Weather Proofing	IPX4
Dimensions (HxWxD)	5.23 x 1.39 x 1.12 In. (13.3 x 3.5 x 2.9cm)
Weight	3 oz. (94g) without bracket, 3.88 oz. (110g) with mounting plate
Regulatory	FCC 2A3HR-XDC01, IC 27861-XDC01

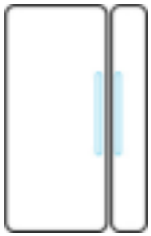
Specifications -- Hardwired HD Video Doorbell

Model Number	PBELL
Camera	2MP 1080p
Field of View	Horizontal: 202°, Vertical: 119°
Video	Up to 1080P, H.264 10-15FPS
Audio	2-way, Full Duplex
Microphone	Omni-directional MIC/Sensitivity -42 +/- 3dB
Speaker	Integral Speaker/1W/8ohm x1
Motion Sensor	PIR 130° @ 8 ft, AI Human Body Detection
Wi-Fi	Dual Band 2.4GHz & 5GHz, 802.11 a/b/g/n/ac
Encryption	WPA-AES, WPA2_AES
Sub-GHz	433 MHz
Case Material	PC+ABS (black)
Night Vision	IR up to 16ft
LED	RGB Main Button, Status Indicator
Chime	Super Panel (PP1A) as the Chime
Storage	Cloud Storage: Amazon KVS Video storage
Power	Power by existing doorbell's 10-30VAC wiring; rear terminals are non-polarized (2-wire set-up connecting to a mechanical chime in line with a doorbell transformer). NEC Class 2 Transformer with an output from 10 to 30 VAC, 10 VA, OR 12 VDC Limited Power Source (LPS) with an amperage rating of 0.5 to 1.0 amps.
Battery	Built-in 450mAh

Doorbell LED Indications

	LED Color	Pattern	Description
	Blue	Breathing	System booting
	Blue	Solid	Firmware upgrade in progress
	Blue	Rapid Flashing	Factory reset -- Hold button for 60 seconds
	White	Breathing	Doorbell ready for pairing
	White	Flashing	Doorbell pairing in progress
	White	Solid	Ready mode
	White	Rapid Flashing	Wi-Fi reset in progress -- Hold button for 20 seconds
	Green	Solid	In - Call Mode
	Red	Flashing	Alarm triggered
	Yellow	Solid	Doorbell pairing failed -- Check Wi-Fi credentials
	Yellow	Flashing	Power cycle -- Hold button for 40 seconds

Window/Door Transmitter



The **PWD** Window/Door Transmitter is a magnetic sensor device designed to fit seamlessly alongside a door frame or windowsill. When the door or window is opened, the magnetic contact is disrupted and the sensor transmits a notification to the panel.

Important Safety Instructions

Before you install this sensor, be sure to:

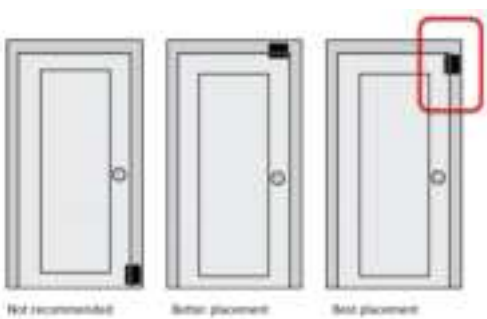
- Read, keep, and follow all instructions.
- Do not install near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not expose the device to water (indoor use only).
- When the battery is low, replace with a fresh, compatible lithium ion battery.

Installation

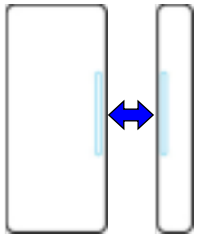
Install using the provided adhesive and/or screws.

Mounting Orientation

To protect a door, place the transmitter and magnet near the top of the door with the transmitter attached to the unmoving part of the entryway. For example, attach the main body of the sensor (the transmitter) to the door frame, not the door. We recommend the transmitter be placed at the top corner of the opening side of the door. See illustration at right:



The transmitter and magnet each have a slightly engraved line to denote their best alignment to function properly. If a "closed" transmitter and magnet are misaligned, the sensor will not report correctly. See illustration at right that displays the correct alignment.



Door/Window Sensor Installation

1. Select the desired position for the transmitter and magnet.

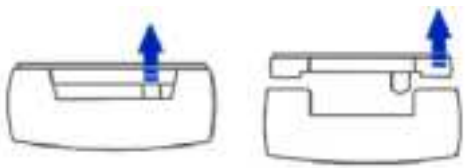
Notes:

- The transmitter and magnet gap must be within 0.25 inches after their final installation. See table on page 23 for different gap ranges for metallic and non-metallic mounting surfaces.
- Verify that the transmitter and magnet are aligned correctly as shown in the illustration above.
- We recommend using the provided screws for installation (screws are more secure than adhesive alone).

2. Remove the transmitter's battery pull tab.
3. Adhere the transmitter to the wall using the provided screws and/or adhesive.

Transmitter Installation

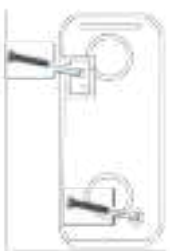
a. Reference the illustration below. Locate the bottom of the transmitter (the slotted short end).
b. Turn the transmitter over, and then gently slide a fingernail/fingertip into the slot pushing the transmitter's back plate up and away from the body (you can see the FCC label on the inside of the back plate).



(continued)

Window/Door Transmitter (cont'd)

c. Remove the adhesive film cover (optional).
d. Place the back plate against the door frame/ windowsill, ensuring the orientation is correct for the desired position. **Note:** After the adhesive is secure, the transmitter cannot be moved.
e. Optional: Mark the screw hole locations, then using a power drill, drill holes and install the 2 provided wall anchors.
f. Insert the first screw into the non-breakaway screw hole, and then use a screwdriver to partially secure the screw into the wall. Do not fully insert the screw until the second screw has secured the sensor position in the next step.
g. Insert a second screw into the breakaway screw hole, and then partially secure in the wall.
h. Observe the transmitter position. When satisfied that the position is aligned vertically, user a screwdriver to fully secure each screw in the wall.
i. Press the front of the transmitter against the base, until there is an audible snap.



When Using Adhesive

a. Select the desired position.
b. Peel one side of the adhesive tape, and then press the tape firmly against the transmitter. **Note:** After the adhesive is secure, the transmitter cannot be moved.
c. Peel the other side of the adhesive, and then press the transmitter against the wall. Align the magnet with the transmitter, verifying that they align properly, and then adhere the transmitter to the wall using the provided screws and/or adhesive.

Magnet Installation

a. Locate the bottom of the magnet (the slotted short end).
b. Turn the magnet over, and then gently slide a fingernail/fingertip into the slot pushing the magnet's back plate up and away from the magnet body.
c. Remove the adhesive's film cover (Optional), and then place the back plate against the door/ window, making sure that the orientation and alignment are correct for the desired position. **Note:** After the adhesive is secure, the magnet cannot be moved.
d. Optional: Mark the screw hole locations, then using a power drill, drill holes and install the 2 provided wall anchors.
e. Insert the first screw into a screw hole, and then use a screwdriver to partially secure the screw in the wall. Do not fully insert the screw until the second screw has secured the magnet position.
f. Insert a second screw into the remaining hole, and then partially secure in the wall.
g. Observe the magnet position. When satisfied with position, user a screwdriver to fully secure each screw in the wall.
h. Press the front of the magnet against the base, until there is an audible snap.

Window/Door Transmitter (cont'd)

When Using Adhesive

a. Select the desired position for the magnet. 23
b. Peel one side of the adhesive tape, and then press the tape firmly against the magnet. **Note:** After the adhesive is secure, the magnet cannot be moved.
c. Peel the other side of the adhesive, and then press the magnet against the wall.
d. Add the sensor to the panel.
e. Test the sensor: Verify that when the door/window is opened that the panel notes that the sensors is faulted.

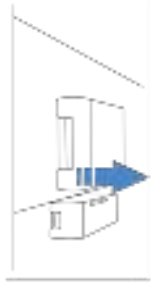
Note: Testing all sensors connected to the monitoring central station is strongly advised.

Sensor & Magnet Gap Range				
Non-metallic Surface		Supports	Metallic Surface	
Open	Close	Direction	Open	Close
31mm (1.2 in.)	29mm (1.1 in.)	X	30mm (1.2 in.)	25mm (~1 in.)
34mm (1.3 in.)	31mm (1.2 in.)	Y	36mm (1.4 in.)	35mm (1.4 in.)
35mm (1.4 in.)	31mm (1.2 in.)	Z	45mm (1.8 in.)	40mm (1.6 in.)

Battery Replacement

The **PWD** requires two CR2032 battery cells. When the cells are low, the panel displays a low battery icon next to the sensor in the devices list. The cells must be replaced within 7 days of the first low battery notification; if the cells are not replaced within 7 days, the sensor may not function properly.

WARNING: If incompatible replacement cells are used, or the cells are installed incorrectly, explosion or damage may occur.



Battery Cell Replacement

1. Locate the bottom of the sensor (the slotted short end).
2. Gently slide a fingernail/fingertip into the slot and pull the sensor cover out and away from the sensor's base.
3. The sensor containing the battery cells and circuit board is no longer attached to the door/window. Locate the tab holding the circuit board in the sensor.
4. Press and hold the tab away from the circuit board, and then turn the sensor over. The circuit board comes free from the sensor shell.
5. Use a fingernail/fingertip to push the cells out of the case, noting the polarity.
6. Slide two new CR2032 cells into the case, observing polarity.
7. Press the circuit board back into the sensor case until secure. There will be an audible snap.
8. Press the sensor back onto the base. Test the sensor.

Window/Door Transmitter (cont'd)

Specifications -- Window/Door Transmitter (Model PWD)

Transmitter Frequency	433MHz
Wireless Signal Range	up to 820 ft*, open air, with Security Panel**
Modulation	OOK
Encryption	Yes, 1-way
Supervision	Yes, ≈ 60 minutes
Tamper	Yes
Case Material	PC+ABS, White
Mounting	3M 4930 Adhesive, M3 x 16mm Screws
Battery	CR2032 3.0V (225mAh) x2
Battery Life	≈ 7 years @ 80 triggers per day
Standby Current	0.9 uA
Active Current	2.5 mA
Operating Temp.	32° to 120.2°F (0° to 49°C)
Relative Humidity	80% Max. non-condensing
Dimensions (H x W x D)	2.34 x 1.68 x 0.46 in. (5.9 x 4.3 x 1.2cm)
Regulatory	FCC 2AVDCXPD03-E-1433

* With the front of the Sensor facing the panel LCD, the panel installed at a height of 4.92ft. (1.5m), and the Sensor installed at a height of 6.9ft. (2.1m).

** The location of the Sensor can have a significant effect on range. In open/unobstructed situations, the transmitter range may be greater. In adverse wireless conditions, you may encounter a decrease in range.

Sensor Trouble Signals

Sensor Open -- The protected door or window is open. The sensor transmitter is not in close proximity to the magnet.

Sensor Closed -- The protected door or window is closed. The sensor transmitter is in close proximity to the magnet.

Sensor Tamper -- The sensor transmitter case has been opened or removed from its base. Check the sensor hardware or mounting hardware.

Sensor Bypass -- The sensor will not activate when the system is armed.

Sensor Low Battery -- The sensor battery charge is low. Replace with a fresh battery or recharge.

Sensor Loss of Supervision -- The sensor is not communicating with the system. The sensor is outside the RF transmission range or the battery charge is very low.

National Fire Alarm and Signaling Code
IN THE UNITED STATES, CANADA, AND OTHER COUNTRIES REQUIRED TO MEET THIS STANDARD: THIS EQUIPMENT MUST BE INSTALLED IN ACCORDANCE WITH CHAPTER 29 of ANSI/NFPA 72 National Fire Alarm and Signaling Code (National Fire Protection Association, Battery Park, Quincy, MA, 02269 USA)

Do Not Connect To A Receptacle Controlled By A Switch.

IMPORTANT: This system ships from the factory with an approved 24-hour backup battery installed and is compliant with UL 985:

- Household Fire Warning System Units. Fire and carbon monoxide detectors are always active.

PIR Motion Sensor

The **PPIR** motion sensor is designed to fit seamlessly in the corner of the room or alongside a wall/door. When the PIR senses motion it transmits an alarm notification to the panel.

Important Safety Instructions

Before you install this sensor, be sure to:

- Read, keep, and follow all instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- If the battery is low, replace with a compatible lithium ion battery.

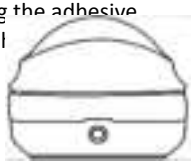
Installation

We recommend adding the motion sensor to a panel before mounting. The motion sensor can be installed using the provided adhesive and/or screws. We recommend using the provided screws for mounting as this method is more secure than using adhesive alone.

To Mount the Motion Sensor:

Select the desired mounting position for the sensor. **Note:** The sensor only detects motion within 3.28 ft (1m) in front of it (installed at 6.88 ft (2.1m) having a range of 32.80 ft (10m).

a. Remove the sensor's battery pull tab.
b. Locate the bottom of the sensor (the slotted flat end). Use a screwdriver to remove the case screw.
c. Gently slide a fingernail/fingertip into the slot and push the top of the case.
d. Remove the adhesive film cover, and then place the back plate against the wall, making sure that the orientation is correct for the desired position. **Note:** After placement using the adhesive the sensor cannot be moved without damaging tl



e. Insert the included mounting screw into the screw breakaway screw hole, using a screwdriver to fully secure the backplate to the wall. Do not over-tighten.
f. Set the jumpers to the desired positions.
g. After the sensor is configured as desired, press the sensor cover against the base, until there is an audible snap.
h. Use the sensor's case screw to secure the cover.
i. Add the sensor to the panel by putting the panel in learning mode, then pressing the button on the side of the sensor to pair the sensor to the panel.

When Using Adhesive

a. Locate the bottom of the sensor (the slotted flat end), and then use a screwdriver to remove the case screw.
b. Gently slide a fingernail/fingertip into the slot and push the top of the case upward.
c. Set the jumpers to the desired positions.
d. After the sensor is configured as desired, press the sensor cover against the base until there is an audible snap.
e. Use the sensor's case screw to secure the cover.
f. Peel the film off of the adhesive and firmly press the sensor back plate against the wall. **Note:** After placement using the adhesive, the sensor cannot be moved without damaging the adhesive.

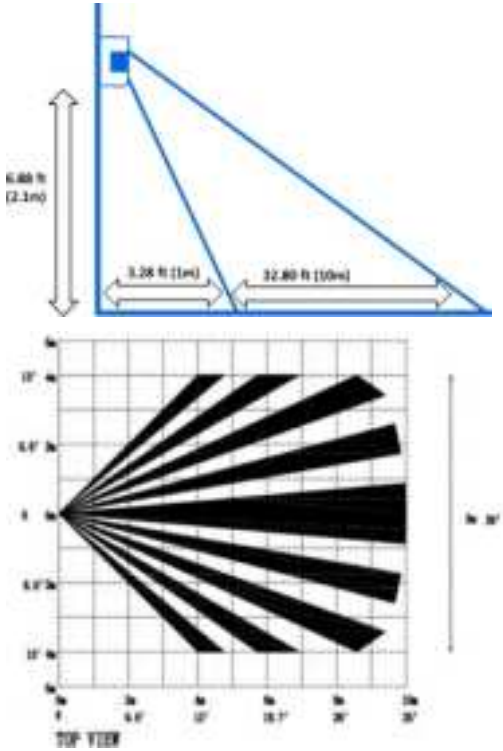
g. Add the sensor to the panel by putting the panel in learning mode, then pressing the button on the side of the sensor to pair the sensor to the panel.

PIR Motion Sensor (cont'd)

Test the PIR Sensor:

- Observe the panel screen while opening the door/window.
- Window/Door sensors display "**Faulted**"; motion sensors will sound a chime or voice communication. **Note:** Testing all sensors with the central monitoring station, in real time, is strongly advised.

Sensor Range & Detection



Battery Replacement

The motion sensor requires one CR123A battery. When the battery is low, the panel displays a low battery icon next to the sensor in the **Device List**. The battery must be replaced within 7 days of the first low battery notification; *if the battery is not replaced within 7 days, the sensor may not function properly*.

WARNING: If an incompatible replacement battery is used, or the battery is installed incorrectly, explosion or damage may occur.

To Replace the Battery

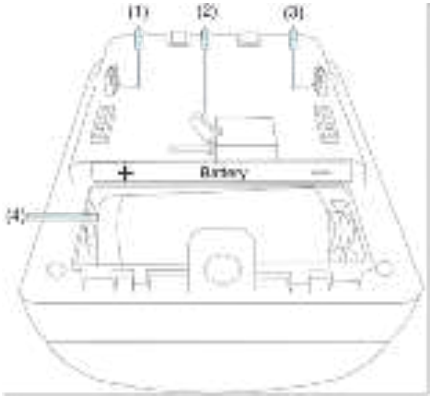
1. Locate the bottom of the sensor (the slotted flat end), and then use a screwdriver to remove the case screw.
2. Gently slide a fingernail/fingertip into the slot and pull the top of the case away from the wall.
3. Noting the polarity of the battery, use a finger-nail/fingertip to push the battery out of the case.
4. Insert a new CR123A battery into the battery case, ensuring correct polarity.
5. Press the sensor cover back onto its back plate. Listen for an audible snap.
6. Use the sensor's case screw to secure the cover.
7. Test the sensor.

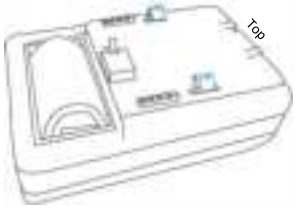
Jumper Function

The PIR Motion Sensor has two sets of jumpers. One set of jumpers adjusts the Pet Immunity setting and the other set of jumpers adjusts the Sensitivity level.

(continued)

(1) Pet immunity jumper
(2) Tamper switch
(3) Sensitivity jumper
(4) Battery



Jumper Configuration	Pet Immunity Jumper	Sensitivity Jumper
Top and Middle Pins 	Up to 33lb. dog	Low -- Max 19 feet (6m) distance
Middle and Bottom Pins 	Up to 55lb. dog	High -- Max 32 feet (10m) distance

Pet Immunity Jumper

The pet immunity jumper allows you to select the desired immunity level based on the weight of the pet (the weight of a dog is used in this manual). Place the jumper over the desired pins:

Change the Pet Immunity Level

1. Remove the back plate from the motion sensor.
2. Turn the sensor over so the battery faces up. Rotate the sensor so the battery is located at the bottom.
3. Locate the pet immunity pins on the left side (see image).
4. Remove the left side jumper (all 3 pins are then visible).
5. Place the jumper on the desired pin set (see table).
6. Replace the sensor plate, and then continue to installation. --or-- Adjust the Sensitivity Level (described below), then continue the installation.

Sensitivity Jumper

The sensitivity jumper allows you to select the desired sensitivity level. Place the jumper over the desired pins.

Change the Sensitivity Level

1. Remove the back plate from the motion sensor.
2. Turn the sensor over so the battery faces up. Rotate the sensor so the battery is located at the bottom
3. Locate the sensitivity pins on the right side (see image).
4. Remove the right side jumper (all 3 pins are then visible).
5. Place the jumper on the desired pin set (see table).
6. Replace the sensor plate, and then continue to installation. – or –
7. Adjust the Pet Immunity Level (described above), then continue to installation.

PIR Motion Sensor "Cool Off" Period

When the system is armed and a person is detected by the Motion Sensor, there is a 3 minute "cool-off" period before the Motion Sensor will detect another person.

Specifications -- Passive Infrared Sensor Transmitter

Model Number	PPIR
Tamper	Yes
LED	x1
Wired	N/A
Case Material	PC+ABS
Color	White
Mounting	3M 4930 Adhesive, M3 x 16mm Screws
Battery	CR123A 3.0V (1500mAh) x1
Battery Life	≈ 5 years @ 100 timer triggers per day
Standby Current	22 uA
Active Current	2.3 mA
Operating Temperature	32° to 120.2°F (0° to 49°C)
Relative Humidity (Storage)	80% Max. non-condensing
Weather Proofing	N/A
Regulatory	FCC 2AVDCXPM03-E-1433, UL639, ULC S306

Transmitter Frequency	433MHz
Wireless Signal Range	Up to 820 ft.*, open air, with Security Panel**
Modulation	OOK
Encryption	Yes, 1-way
Frequency Hopping	N/A
Supervision	Yes, ≈ 60 minutes
Dimensions (H x W x D)	2.94 x 2.14 x 1.63 in. ()
FEATURES* **	
Detection Distance	up to 32.8 ft. (10m)
Detection Angle	90°
Mounting Height	up to 7 ft. (2.1m)
Sensitivity Levels	Low, High
Pet Immunity	33lbs., 55lbs. (15kg, 25kg)

*With the front of the Sensor facing the Super Panel LCD; the Super Panel installed at a height of 4.92 ft. (1.5m). The Sensor is installed at a height of 6.89 ft. (2.1m).
** The location of the Sensor can have a significant effect on range. In open/unobstructed situations, the transmitter range may be greater. In adverse wireless conditions, you may encounter a decrease in range.
*** Test Environment - Background Temperature 78.8°F (26°C), Blackbody Temperature 96.8°F (36°C)

Indoor/Outdoor HD Camera

The **PCAM** Indoor/Outdoor HD Camera with self-healing Wi-Fi can be battery or cable-powered for indoor use or powered with an extension cable for outdoor use. Magnetic base simplifies installation (about a minute). Included items:

- PCAM Camera 29
- Magnetic base
- Type-C USB Cable
- Mounting screws (3)
- Expansive rubber sleeve (3)

Features:

- Amazon Shadow and MQTT Protocol, faster and safer Communication with server
- Magnetic mounting base allows easy installation and adjustments
- Integral rechargeable battery allows wire-free and easy set up
- Super Panel acts as the chime of the camera
- Reports Camera online/offline status, low battery and all events to the Super Panel and mobile App
- AI enhanced human body detection and auto-launch for recording
- Custom Motion Zone plus the NN ("nearest neighbor") algorithm to reduce the false triggers
- Long battery life, as long as 4 months and rechargeable with cable or Solar Panel (see page 31)

Power	Type-C USB, 6400mAh non-removable rechargeable battery, ≈ 3 months under normal conditions (5 triggers during the day, 2 triggers during the evening, 5 false triggers, Remove Wakeup – 1 during the day, 1 during the evening).
Wired Power	Type-C USB 2.0, 10W 5V @2A, (If using optional Solar panel, see page 31).

Specifications -- Indoor/Outdoor HD Camera (Model PCAM)

Camera	2MP Color, 16:9
Field of View	HFOV 124°, VFOV 67°
Video	Up to 1080P, H.264 10-15FPS
Audio	2-way, Full Duplex
Night Vision	Color, IR up to 16ft
Wi-Fi	2.4GHz, 802.11 a/b/g/n, 1T1R
Encryption	WPA-AES, WPA2-AES
Sub-GHz	433 MHz
LEDs	RGB Status Indicator
Motion Sensor	PIR 100° @ 16ft, AI Human Detection
Peripherals	Light Sensor, PIR
Microphone	Omni-directional MIC/Sensitivity -26 +/- 1dB
Speaker	Built-in, 1W 8ohm x1
Mounting	Magnetic Base
Case Material	PC+ABS; White finish/color
Battery	Built-in 6400mAh non-removable
Operating Temp.	-4° to 122°F (-20° to 50°C)
Height	Camera 2.75 In. (7cm); Mounting Base 2.18 In. (5.5cm)
Width	Camera 1.96 In. (5cm); Mounting Base 1.75 In. (4.5cm)
Depth	3.38 In. (8.6cm); Mounting Base 0.87 In. (2.2cm)
Weight	≈ 7.76 oz. (220 g.)
Relative Humidity	80% Max. non-condensing
Weather Proofing	IP56
Regulatory	FCC, IC (TBC)

Indoor/Outdoor HD Camera (cont'd)

Camera Installation

Before mounting, pair the transmitter to the Super Panel by tapping the Sensor List icon (shown at right) and follow the on-screen instructions.

Mounting to Wood

To hang the magnetic mounting base on a wood surface, use a screwdriver and the pan head screw to make a hole in the surface. Leave enough space between the wood and screw head to hang the mounting base.

For a more secure installation, remove the weatherproof seals from the mounting base. Use the mounting base as a guide and determine where the screws will be placed. Mark the location.

Mounting to Concrete, Brick, or Stucco

Use a power drill and drill bit to make the holes for the screws. If installing into wood, use a screwdriver and the included beveled head screws to start the holes. If the drill holes are too large, use the included screw anchors to provide the perfect fit.

Place the mounting base onto the mounting surface, lining up the holes with the mounting base and use the screws to secure. Replace the weatherproof seals.

Mounting to UPVC, Glass, Steel, Wood or Other Smooth Surfaces

With some smooth surfaces, it may be appropriate to use the included double-sided 3M adhesive. Attach the adhesive to the mounting base and remove the protective film. Adhere the mounting base to the (dry) surface and wait 24-48 hours before placing the Camera on the mounting base to ensure maximum bonding strength.

Solar Panel

The optional PSOLAR panel is used with the Prima **PCAM** Indoor/Outdoor HD rechargeable battery camera. The solar panel can provide stable daylight solar energy (5W output) to recharge the integral battery while the camera is mounted and in use, thus removing the need to take the camera out of operation to recharge the battery.

The solar panel is rated IP67 (waterproof with complete protection against dust over extended time, with protection against contact with objects greater than 1mm in diameter, such as a wire or a small tool).

Its 360° adjustable mounting bracket and 10 foot charging cable allow the solar panel to receive sunlight at the most suitable position.

Install as follows:

1. Choose an installation location; ideally a location that receives sunlight throughout most of the day.
2. Use the mounting bracket as a guide to determine where the mounting screws will be placed. Carefully mark the locations. 31
3. Drill mounting holes. If installing into concrete, brick, or stucco, use a power drill and appropriate drill bit for the material.
4. Install the bracket using the included screws.
5. Place the solar panel on the bracket, lining up the screw with the insert on the back of the unit. Twist the solar panel to complete the bond, and twist the screw nut on the bracket to secure the solar panel in place.
6. Use the handle on the solar panel to adjust the angle to the desired position.
7. Open the camera bottom cover to expose the charging socket and insert the USB plug from the solar panel cable.

Specifications -- PSOLAR Solar Panel

Model Name	PSOLAR
Wired	10ft. (± 10%) Type-C Cable
Color	White
Mounting	360° Mounting Bracket, Wall Anchors
Operating Temperature	-4° to 158°F (-20° to 70°C)
Storage Temperature	-4° to 158°F (-20° to 70°C)
Relative Humidity	60% Max. non-condensing
Case Material	Ethylene tetrafluoroethylene (ETFE), Ethylene-vinyl acetate (EVA)
Weather Proofing	IP67
Dimensions	Height: 6.61 In. (16.8cm) Width: 7.20 In. (18.3cm) Depth: 0.67 In. (1.7cm)
Weight	11.53 oz. (327g) w/ accessories
Rated Power	5W (5.5V, 0.9A)
Charging Limitations	Cannot charge in temperatures below 32°F (0°C)
Regulatory	FCC, IC, EMC, ROHS, CE (TBD)

Keyfob

The **PFOB** Multi-Button Keyfob is a battery-operated wireless handheld alarm device. When a button is pressed, the associated command is sent to the panel.

The keyfob has a range of up to 100 ft. Metal, floors, and appliances may affect the range.

Important Safety Instructions
Before you program the keyfob, be sure to read, keep, and follow all instructions. When the keyfob battery cell is low, replace it (CR2032) with compatible lithium ion cell.

Setup
Use the Super Panel to add and set up the keyfob. To add the keyfob to the panel:

- Add the keyfob to the panel.
- Test the keyfob.
- At the screen, press Away/Stay. Verify that the panel begins to arm. **Note:** Testing all sensors and devices in the alarm monitoring station is strongly advised.

Button Functions
The keyfob has 4 buttons. After the keypad is added to the panel, the buttons control the arming and disarming features of the panel.

- **Away:** Press to arm the panel in Away mode.
- **Stay:** Press to arm the panel in Stay mode.
- **Disarm:** Press to disarm the panel.
- **SOS:** Within 2 seconds after simultaneously depressing both **SOS** + **Away**, the keyfob sends a panic notification to the alarm monitoring central station.

To Replace the Battery Cell

The keyfob requires one CR2032 battery cell. When the cell is low, the panel displays a low battery icon next to the keyfob in the devices list. The battery must be replaced within 7 days of the first low battery notification; if not replaced within 7 days, the keyfob may not function properly.

WARNING: If an incompatible replacement cell is used, or the cell is installed incorrectly, explosion or damage may occur.

Important: Verify that the panel is disarmed before changing the battery.

1. Flip the keyfob onto its face (buttons down), and locate the screw holding the case together.
2. Use a screwdriver to loosen and remove the screw.
3. Slide a fingernail/fingertip into the keyfob's bottom slot (area with the keychain protruding), and then push the keyfob's rear case upward and away from the front of the keyfob (you can see the FCC label on the inside of back case). **Note:** The keychain will come lose in this process; be careful not to lose the keychain.
4. Carefully hold the circuit board to the front case. **Note:** Do not move the circuit board. If the board is moved it may result in improper button reporting. Taking note of the cell polarity, use a fingernail/fingertip to push the cell out of the case.
5. Push a fresh CR2032 cell into the case, observing polarity.
6. Place the keychain back into the screw post and press the keyfob's backplate into place.
7. Replace the screw and secure (do not overtighten)
8. Test the keyfob operation.

Keyfob (cont'd)

Specifications -- 4-button Keyfob on Ring (model PFOB)

Actions	Arm Away, Arm Stay, Disarm, SOS
Case Material	PC+ABS, black
Battery	CR2032 3.0V (225mAh) x1
Battery Life	≈ 7 years @ 30 triggers per day
Current	0.9 uA Standby; 2.5 mA Active
Operating Temperature	32° to 120.2°F (0° to 49°C)
Relative Humidity (Storage)	80% Max. non-condensing
Weather Proofing	IPX4
Transmitter Frequency	433MHz
Wireless Signal Range	Up to 820 ft.*, open air, with Super Panel**
Modulation	OOK
Encryption	Yes, 1-way
Frequency Hopping	N/A
Supervision	N/A
Dimensions (H x W x D)	2.53 x 1.49 x 0.53 in. (6.4 x 3.8 x 1.4cm)
Regulatory	FCC 2AVDC-XPK-201, UL 1023

* With the front of the Keyfob facing the Super Panel LCD, and the Super Panel installed at a height of 4.92 ft.(150cm); the Keyfob located at a height of 3.93 ft. (120cm).
** The location of the Keyfob can have a significant effect on range. In open/unobstructed situations, the Keyfob transmitter range may be greater. In adverse wireless conditions, you may encounter a decrease in range.

Panic Button

The **PPANIC** Button is designed for Medical emergency call to the central station monitoring center. It communicates with the Super Panel via 433 MHz frequency.

Your Panic Button Sensor has two key steps:

1. Place the Panic button on your wrist or belt clip.
2. Connect the Panic button sensor to the panel as described in the next step.

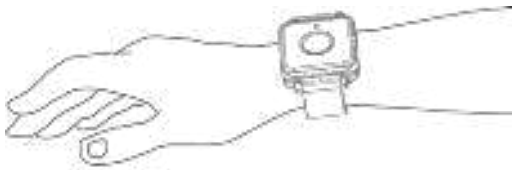
Band bracket

Belt Clip

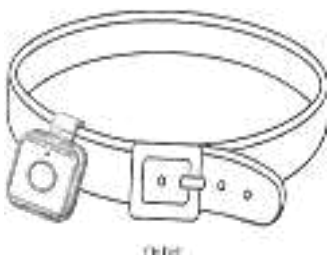
Add The Panic Button Sensor To Your Panel.
Getting your Panic Button up and running is as simple as pressing the button, and adding it to the Super Panel.

Press the button

You can wear the Panic Button Sensor on your wrist or clip it on your belt.



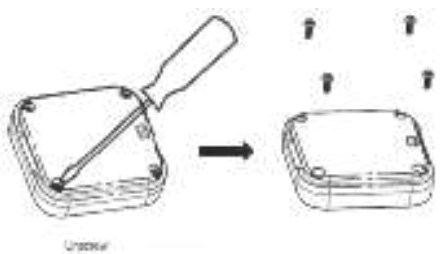
On hand wrist



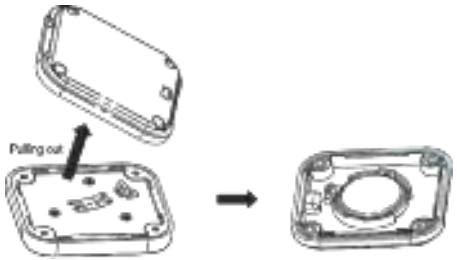
Change the Battery in the Panic Button Sensor

1. Remove the device from the wristband or remove the device from the belt clip.

2. Unscrew the bracket.



3. Remove the rear cover, then remove the cell battery.



4. Remove the old cell battery and insert a new cell, observing polarity.

Panic Button (cont'd)

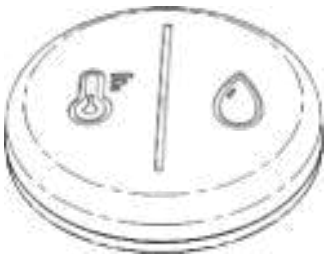
Specifications -- PPANIC Button

Actions	Medical, Police, Mode Set at The XP02 Panel
Transmitter Frequency	433MHz
Wireless Signal Range	Up to 492 ft.*, open air, with Security Panel**
Modulation	OOK
Encryption	Yes, 1-way
Frequency Hopping	N/A
Case Material	PC+ABS, White
Screws	x4 PB1.7 x 5mm
Mounting	Wristband, Belt clip
Battery	CR2032 3.0V (225mAh) x1
Battery Life	≈ 7 years @ 30 triggers per day
Current	0.9 uA Standby, 2.4 mA Active
Operating Temperature	32° to 120.2°F (0° to 49°C)
Relative Humidity (Storage)	80% Max. non-condensing
Weather Proofing	IPX7
Dimensions (H x W x D)	1.65 x 1.45 x 0.43 in. (4.2 x 3.7 x 1.1cm)
Regulatory	FCC 2AVDCXPP01-E-1433

* With the front of the Sensor facing the Super Panel LCD and the Super Panel installed at a height of 4.92 ft. (150cm). The Sensor installed at a height of 4.59 to 4.92 ft. (140 to 150cm).
** The location of the Sensor can have a significant effect on range. In open/unobstructed locations, the transmitter range may be greater. In adverse wireless conditions, you may encounter a decrease in range.

Flood/Freeze Temperature Sensor

The **PWTEMP** Flood/Freeze temperature sensor is designed for indoor residential and light commercial use. The Flood/Freeze sensor can be easily installed under sinks, near showers, tubs, toilets, dishwashers, refrigerators, washing machines, water heaters, in basements and other areas where water may accumulate. It communicates with the **PP1A** Super Panel over the 433 MHz frequency, transmitting to the panel when it detects a wet (Loop 1) or freeze (Loop 2) condition.



Add The Flood/Freeze Sensor To Your Panel

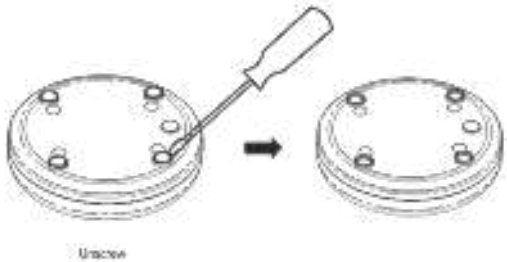
When adding the Flood/Freeze Sensor to the panel, set your panel to sensor learning mode, trigger the sensor by pressing the test button found on the bottom of the sensor.

Install The Flood/Freeze Sensor

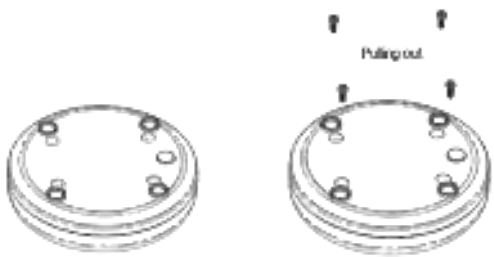
With the Sensor powered and activated, select a suitable installation location. **For optimal performance**, place the Flood/Freeze Sensor on the floor or any flat surface under a sink, refrigerator or next to any other water source.

Changing the Battery Cell: One CR2450 (3.0V, 600mAh)

1. Carefully pry each screw cover from the bottom of the case using a screwdriver.

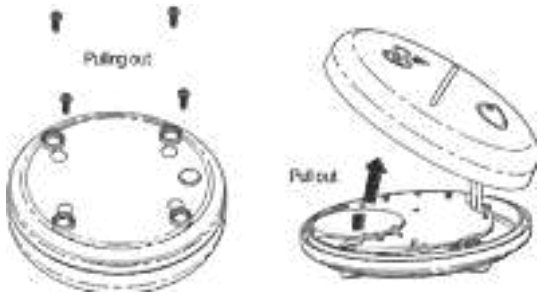


2. Remove the screws from the case to access the battery cell.

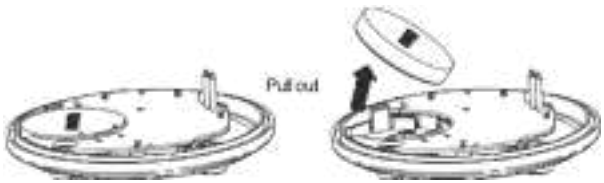


Flood/Freeze Temperature Sensor (cont'd)

3. Remove the front cover and pull out the cell as shown.



If needed, use a screwdriver to remove the battery cell.



Replace with one **CR2450** (3.0V, 600mAh) cell.

Specifications -- Flood/Freeze Temperature Sensor

Model Number	PWTEMP
Transmitter Frequency	433MHz
Wireless Signal Range	up to 295 ft.*, open air, with Security Panel**
Modulation	OOK
Encryption	Yes, 1-way
Supervision	Yes, ≈ 60 minutes
High Temp.	Alarm, 95°F (35°C)
Low Temp. / Freeze	Alarm, 41°F (5°C)
Tamper	N/A
Case Material	PC+ABS, White
Battery	CR2450 3.0V (600mAh) x1
Battery Life	≈ 10 years @ 10 detections per day
Standby Current	0.9 uA
Active Current	4 mA
Operating Temperature	32° to 120.2°F (0° to 49°C)
Relative Humidity	80% Max. non-condensing
Weather Proofing	IPX7
Dimensions (Ø x D)	2.48 x 0.68 inches (6.3 x 1.7cm)
Regulatory	FCC 2AVDCXPF01-E-1433

* With the Sensor placed on the ground and facing the Super Panel LCD, the Panel installed at a height of 4.92 ft. (1.5m).
* *The location of the Sensor can have a significant effect on range. In open/unobstructed situations, the transmitter range may be greater. In adverse wireless conditions, you may encounter a decrease in range.

Glassbreak Transmitter

The **PGB** Glassbreak transmitter is placed on or near windows to notify a homeowner if a window breaks. Always install the sensor in direct line of sight of all windows to provide protection, as the sensor cannot consistently detect glass breaking around corners or in other rooms. There is no required front, back, up or down mounting orientation.

Mounting Location - Wall
The best mounting location is on the wall opposite the window(s), assuming the glass to be protected is within the sensor's range and line of sight. The adjoining wall can also be used.

Mounting Location - Ceiling
Mount the sensor in a location with a direct line of sight of the glass to be protected. As sound travels directionally out from a broken window, a position 7 ft. (2.1 m) into the room provides better detection.

To determine the best mounting location, mount the sensor:

- At least 3.3 ft. (1 m) from the windows being protected and at least 4 ft. (1.2 m) from noise sources such as TVs, speakers, sinks, and doors.
- In the direct line of sight of the glass to be protected.
- In a suitable environment: Temperatures between 14°F and 120° F (-10°C and 50°C); and humidity levels between 10 and 90% non-condensing.
- On a stable surface up to 23 ft. (7.0 m) from the farthest point on the glass surface.

Recommended Locations and Range
The sensor is omni-directional, providing 360° coverage. Coverage is measured from the sensor to the point on the glass farthest from the sensor. The sensor can be mounted as close as 3.3 ft. (1m) from the glass. The maximum range depends on the type of glass being protected:

- **Armor-coated glass:** Mount the sensor no more than 12ft. (3.6m) from the glass.
- **Plate, tempered, laminated, and wired glass:** Mount the sensor on the ceiling or the opposite or adjoining wall. Maximum range is 23ft. (7.0m).

Glassbreak Transmitter (cont'd)

Specifications -- Glassbreak Transmitter (Model PGB)

Tamper	Yes
Case Material	PC+ABS, White
Mounting	3M 4930 Adhesive, M3 x 16mm Screws
Battery	CR2477 3.0V (1000mAh) x2
Battery Life	≈ 1 year (Thud Detection @ 20 per hour, 480 per day)
Current	90 uA Standby, 4 mA Active
Operating Temperature	32° to 120.2°F (0° to 49°C)
Relative Humidity	80% Max. non-condensing
Transmitter Frequency	433MHz
Wireless Signal Range	Up to 656 ft.*, open air, with Security Panel**
Modulation	OOK
Encryption	Yes, 1-way
Frequency Hopping	N/A
Supervision	Yes, ≈ 60 minutes
Diameter, Depth	2.55 in., 0.65 in.
Omni-directional?	Yes, 360°
Regulatory	FCC 2AVDCXPG01-E-1433

* With the front of the Sensor facing the Super Panel LCD, with the Super Panel installed at a height of 4.92 ft (150cm). The Sensor installed at a height of 6.89 ft. (210cm).
** The location of the Sensor can have a significant effect on range. In open/unobstructed situations, the transmitter range may be greater. In adverse wireless conditions, you may encounter a decrease in range.

Recessed Window/Door Transmitter

The **PRWD** Recessed Window/Door Transmitter is designed for indoor residential and light commercial use. This transmitter is easily mounted on doors and other devices that open and close. It communicates with the PP1A Super Panel over the 433MHz frequency. The Win-dow/Door Transmitter supports two loops.

The **PRWD** consists of two parts: The larger Main Sensor and the smaller Magnetic Sensor (see images below). Signals are transmitted to the alarm Super Panel when the magnet in the Magnetic Sensor is moved away from or closer to the sensor (loop 2).

Main Sensor

Magnetic Sensor

(Magnetic Sensor contains a magnet inside the plastic shell)

Specifications -- Recessed Window/Door Transmitter

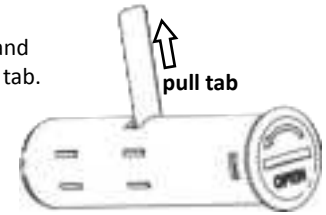
Model Number	PRWD
Wireless Signal Range*	Up to 820 feet (250m), open air, with Security Panel*
Frequency	433MHz
Frequency Hopping	N/A
Modulation	On–off keying (OOK)
Encryption	Yes, 1-way
Supervision	Yes, approximately 60 minutes
Case Material	PC+ABS
Battery	One (1) CR2 (3.0V / 800mAh)
Battery Life	10 Years (80 triggers per day)
Standby Current	0.9uA
Active Current	2.5mA
Operation Temperature	32° to 120.2°F (0° to 49°C)
Relative Humidity	80% Maximum, non-condensing
Dimensions (Ø x Depth)	19mm x 70mm (.74 in. x 2.75 in.). Use 20mm or ¾ in. spade drill bit
Certification	FCC ID: 2AVDCXPR01-E-1433

*With the front of the sensor facing the Super Panel LCD, with the Super Panel installed at a height of 4.92 feet (1.5m) and the sensor installed at a height of 6.89 feet (2.1m). **Note:** The location of the sensor can have a significant effect on range. In open/unobstructed situations, the transmitter range may be greater; in adverse wireless conditions, you may encounter a decrease in range.

Recessed Window/Door Transmitter (cont'd)

Pairing and Installation

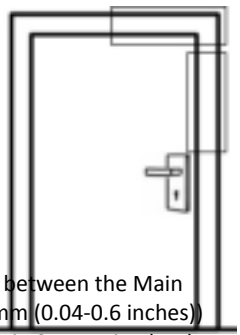
1. Power the Main Sensor by pulling and removing the battery insulator pull tab.



2. Pair the transmitter to the Super Panel by tapping the **Sensor List** icon (shown at right) and follow the on-screen instructions.

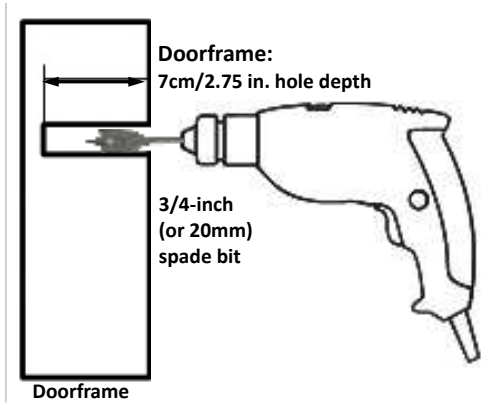
3. With the Main Sensor powered and paired to the Super Panel, select a suitable installation location to ensure optimal performance:

Installation Notes

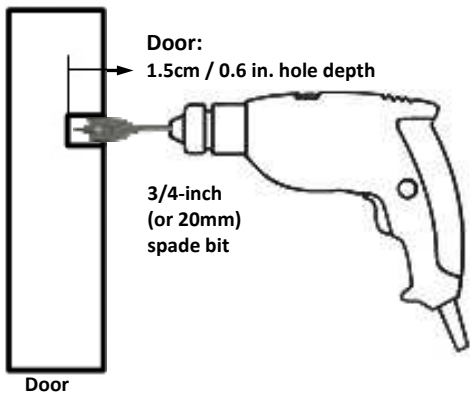


a. Install the Main Sensor it at the top or side of the door. The rectangular areas highlighted in the image at right are optimal installation locations.
b. Position the Main Sensor away from metal objects that could interfere with its magnetic or wireless functions, e.g., the metal doorframe, handle, or lock mechanism.
c. After installation, ensure a clear separation between the Main Sensor and the door surface (between 1-5mm (0.04-0.6 inches)) when the door is closed. Do not glue the Main Sensor; its depth may need to be adjusted later.
d. Be sure to place the Main Sensor exactly above or beside the position where the Magnetic Sensor will be installed and the door is closed.

4. **Drill for the Main Sensor:** Prepare the door frame for the Main Sensor by drilling a 3/4-inch (or 20mm) spade bit hole, approximately 7cm/2.75 inches deep.



5. **Drill for Magnetic Sensor:** In the door, drill a corresponding 3/4-inch (or 20mm) spade bit hole, 1.5cm (0.6 in.) deep. Be sure it is aligned precisely with the hole drilled in the door frame.



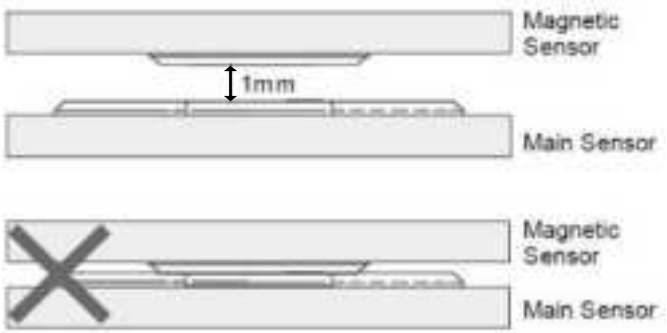
Recessed Window/Door Transmitter (cont'd)

6. **Insert the Main Sensor:** Insert the Main Sensor into the hole drilled in the door frame. Press firmly to ensure a secure fit. Gently tap with a rubber hammer if needed. Do not glue the Main Sensor; its depth may need to be adjusted later.

If needed, gently tap with rubber hammer until seated

7. **Insert the Magnetic Sensor:**
   a. Apply a small amount of white glue (PVA wood glue) inside the hole created for the Magnetic Sensor in the door.
   b. Carefully insert the Magnetic Sensor into the hole and press it firmly.
   c. Tap the Magnetic Sensor with a rubber hammer until seated.

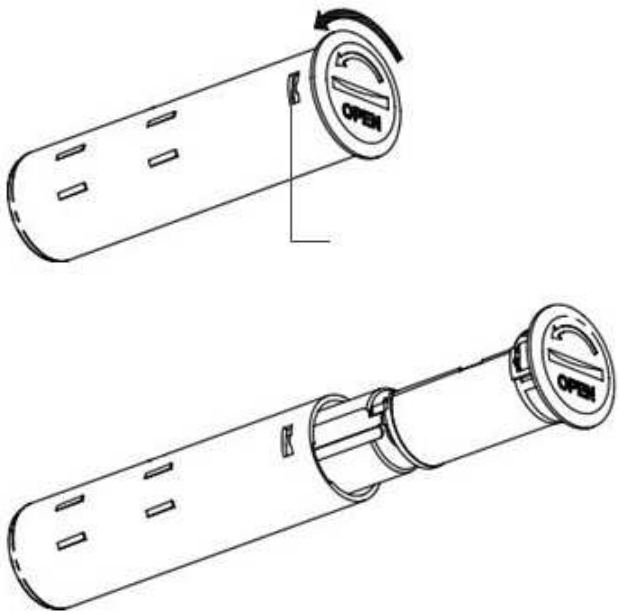
8. **Gap:** Ensure the gap between the two parts of your sensor is between 1-5mm (0.04-0.6 inches). Adjust the Main Sensor height if needed.



Battery Replacement

Battery life is approximately 10 years (at 80 triggers per day). To change the battery in the Recessed Window/Door Transmitter:

1. Use a coin to turn the lid of the sensor case and pull out the hardware from the plastic case.



2. Replace the battery with one lithium type CR2 (3.0V DC / 800mAh).

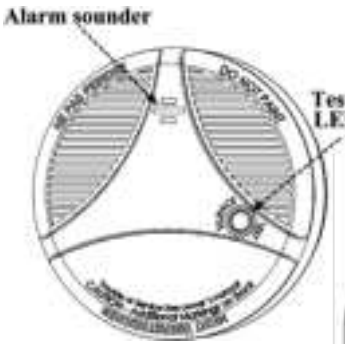
Smoke/CO Detector

The Smoke and the Smoke/CO detectors are effective for detecting any buildup of smoke and/or carbon monoxide in your home:

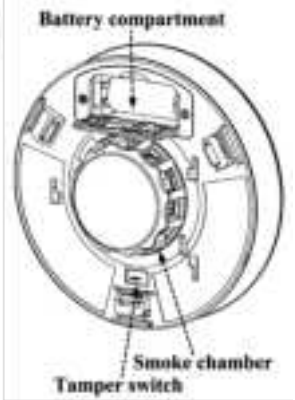
- **PSMK** Wireless Smoke Detector
- **PSMKCO** Wireless Combination Smoke/CO Detector

Note: The **PSMK** only detects smoke, not CO; therefore disregard all CO references that follow. The features of the detector as below:

- Easy to Install.
- Monitors for carbon monoxide in a continuous manner.
- Monitors for smoke in a continuous manner (**PSMKCO** only).
- Loud alarm (85 dB).
- An Alarm Test Button.
- Self-diagnostic testing.



(Front View)



(Rear View)

WHAT YOU SHOULD KNOW ABOUT CARBON MONOXIDE
(**PSMKCO** only)

Carbon Monoxide, also known as "CO" by the chemical form, is considered to be a highly dangerous poisonous gas, because it is colorless, odorless or tasteless and very toxic. In general, biochemistry phenomena have shown that the presence of CO gas inhibits the blood's capacity to transport oxygen throughout the body, which can eventually lead to brain damage.

In any enclosed space (home, office, recreational vehicle or boat) even a small accumulation of CO gas can be quite dangerous.

Although many products of combustion can cause discomfort and adverse health effects, it is CO gas which presents the greatest threat to life.

Carbon monoxide is produced by the incomplete combustion of fuels such as natural gas, propane, heating oil, kerosene, coal, charcoal, gasoline, or wood. The incomplete combustion of fuel can occur in any device which depends on burning for energy or heat such as furnaces, boilers, room heaters, hot water heaters, stoves, grills, and in any gasoline powered vehicle or engine (e.g. generator set, lawnmower). Tobacco smoke also adds CO to the air you breathe.

When properly installed and maintained, your natural gas furnace and hot water heater do not pollute your air space with CO. Natural gas is known as a "clean burning" fuel because under correct operating conditions, the combustion products are water vapor and carbon dioxide (CO2), which is not toxic. The products of combustion are exhausted from furnaces and water heaters to the outside by means of a fuel duct or chimney.

Correct operation of any burning equipment requires two key conditions:

- An adequate supply of air for complete combustion.
- Proper venting of the products of combustion from the furnace through the chimney, vent or duct to the outside.

Smoke/CO Detector (cont'd)

Typical carbon monoxide gas problems are summarized here:

- Equipment problems, due to defects, poor maintenance, damaged and cracked heat exchangers 45
- Collapsed or blocked chimneys or flues, dislodged, disconnected or damaged vents
- Downdraft in chimneys or flues. This can be caused by very long or circuitous flue runs, improper location of flue exhaust or wind conditions
- Improper installation or operation of equipment, chimney or vents
- Air tightness of house envelop/inadequate combustion of air
- Inadequate exhaust of space heaters or appliances
- Exhaust ventilation/fireplace competing for air supply

Potential sources of carbon monoxide in your home or office include clogged chimney, wood stove, wood or gas fireplace, automobile and garage, gas water heater, gas appliance, gas or kerosene heater, gas or oil furnace, and cigarette smoke.

POSSIBLE SYMPTOMS OF CARBON MONOXIDE POISONING

Carbon monoxide is colorless, odorless, tasteless, and very toxic. When inhaled, it produces an effect known as chemical asphyxiation. Injury is due to the combining of CO with the available hemoglobin in the blood, lowering the oxygen-carrying capacity of the blood. In the presence of CO gas, the body is quickly affected by oxygen starvation.

The following symptoms are related to CO poisoning and should be discussed with all members of the household so that you know what to look for:

- Extreme exposure: unconsciousness, convulsions, cardio-respiratory failure, death.
- Medium exposure: severe throbbing headache, drowsiness, confusion, vomiting, fast heart rate.
- Mild exposure: slight headache, nausea, fatigue (similar to "flu-like" symptoms).

Many victims of carbon monoxide poisoning indicate that while they were aware that they were ill, they became so disoriented and confused that they were unable to help themselves by either exiting the building or calling for a assistance. Young children and household pets may be the first affected. Exposure during sleep is particularly dangerous, because the victim usually does not awaken.

SITUATION WHERE THE SMOKE ALARM IS NOT EFFECTIVE

The various situations against which the smoke alarm may not be effective, for example:

1. Fires where the victim is intimate with a flaming initiated fire; for example, when a person's clothes catch fire while cooking;
2. Fires where the smoke is prevented from reaching the smoke alarm due to a closed door or other obstruction;
3. Incendiary fires where the fire grows so rapidly that an occupant's egress is blocked even with properly located smoke alarms.

WHERE TO INSTALL YOUR DETECTOR

For CO detector (**PSMKCO** only)**:**

Since CO gas moves freely in the air, the suggested location is in or as near as possible to sleeping areas of the home. The human body is most vulnerable to the effects of CO gas during sleeping hours. For maximum protection, a CO detector should be located outside primary sleeping areas or on each level of your home. The electrochemical sensor detects carbon monoxide, measures the concentration and sounds a loud alarm before a potentially harmful level is reached.

LOCATION FOR PLACING CO DETECTORS IN A MULTI-FLOOR RESIDENCE

CAUTION: This alarm is only intended to be ceiling mounted or no more than 12 inches below the ceiling.

CAUTION: This alarm will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas.

Smoke/CO Detector (cont'd)

For Smoke detector:
Smoke detectors should be installed in accordance with the NFPA Standard 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02169). For complete coverage in residential units, smoke detectors should be installed in all rooms, halls, storage areas, basements, and attics in each family living unit. Minimum coverage is one detector on each floor and one in each sleeping area.
Here, we have useful tips for you:

- Install one separate smoke detector in every bedroom and one smoke detector in the floor as a minimum protection. Install one separate smoke detector in every room, except kitchen and bathroom for more security, as shown in Figure 1 and Figure 2
- Install a smoke detector on every floor of a multi-floor home or apartment, as shown in Figure 3
- Install a smoke detector inside every bedroom
- Install smoke detectors at both ends of a bedroom hallway if the hallway is more than 40 feet (12 meters) long

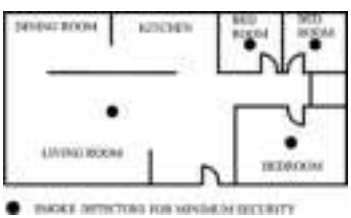


Figure 1: ONE SEPARATE SMOKE DETECTOR IN EVERY BEDROOM AND ONE SMOKE ALARM IN THE FLOOR AS A MINIMUM PROTECTION

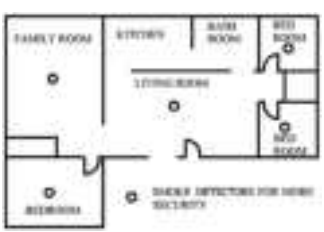


Figure 2: ONE SEPARATE SMOKE DETECTOR IN EVERY ROOM, EXCEPT KITCHEN AND BATHROOM FOR MORE SECURITY

Figure 3: LOCATION FOR PLACING SMOKE DETECTORS FOR A MULTI-FLOOR RESIDENCE

- Install basement detectors at the bottom of the basement stairwell
- Install second-floor detectors at the top of the first-to-second floor stairwell. Be sure no door or other obstruction blocks the path of smoke to the detector
- Install additional detectors in your living room, dining room, family room, attic, utility and storage rooms
- Install smoke detectors as close to the center of the ceiling as possible. If this is not practical, put the detector on the ceiling, no closer than 20 inches (50 cm) from any wall or corner, as shown in Figure 4
- If some of your rooms have sloped, peaked, or gabled ceilings, try to mount detectors 0.91 meter measured horizontally from the highest point of the ceiling as shown Figure 5

Figure 4: RECOMMENDED BEST AND ACCEPTABLE LOCATIONS TO MOUNT SMOKE DETECTORS

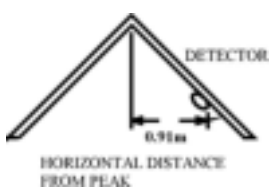


Figure 5: RECOMMENDED LOCATION TO MOUNT SMOKE DETECTORS IN ROOMS WITH SLOPED, GABLED, OR PEAKED CEILING

Smoke/CO Detector (cont'd)

CAUTION (As required by the California State Fire Marshall)
"Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows: (1) A smoke detector installed in each separate sleeping area (in the vicinity, but outside of the bedrooms), and (2) Heat or smoke detectors in the living rooms, dining rooms, bedrooms, kitchens, hallways, attics, furnace rooms, closets, utility and, storage rooms, basements and attached garages."

"For your information, the National Fire Alarm and Signaling Code, NFPA 72, reads as follows:"
"29.5.1 *Required Detection."
*29.5.1.1 Where required by applicable laws, codes, or standards for a specific type of occupancy, approved single- and multiple-station smoke alarms shall be installed as follows:

- In all sleeping rooms and guest rooms
- Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, the distance measured along a path of travel
- On every level of a dwelling unit, including basements
- In the living area(s) of a guest suite
- On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics
- In the living area(s) of a residential board and care occupancy

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LOCATIONS NOT SUITABLE FOR YOUR DETECTOR
Nuisance alarms take place when smoke detectors are installed where they will not work properly. To avoid nuisance alarms, do not install smoke detectors in the following situations:

- Combustion particles are the by-products of something that is burning. Thus, in or near areas where combustion particles are present you do not install the smoke detectors to avoid nuisance alarms, such as kitchens with few windows or poor ventilation, garages where there may be vehicle exhaust, near furnaces, hot water heaters, and space heaters.
- Do not install smoke detectors less than 20 feet (6 meters) away from places where combustion particles are normally present. If a 20 -foot distance is not possible, e.g. in a mobile home, try to install the detector as far away from the combustion particles as possible, preferably on the wall. To prevent nuisance alarm alarms, provide good ventilation in such places.
- When air streams passing by kitchens, the way how a detector can sense combustion particles in normal air-flow paths is graphically shown in Figure 6, which indicates the correct and incorrect smoke detector locations concerning this problem.

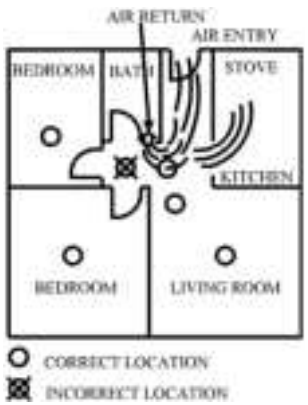

Figure 6: RECOMMENDED SMOKE DETECTOR LOCATIONS TO AVOID AIR STREAMS WITH COMBUSTION PARTICLES

- The detector is not to be located within 5 feet (1.5m) of any cooking appliance.

Smoke/CO Detector (cont'd)

- In damp or very humid areas, or near bathrooms with showers. Moisture in humid air can enter the sensing chamber, then turns into droplets upon cooling, which can cause nuisance alarms. Install smoke detectors at least 10 feet (3 meters) away from bathrooms.
- In very cold or very hot areas, including unheated buildings or outdoor rooms. If the temperature goes above or below the operating range of smoke detector, it will not work properly. The temperature range for your smoke detector is 40°F to 100°F (4.4°C to 37.8°C).
- In very dusty or dirty areas, dirt and dust can build up on the detector's sensing chamber, to make it overly sensitive. Additionally, dust or dirt can block openings to the sensing chamber and keep the detector from sensing smoke.
- Near fresh air vents or very drafty areas like air conditioners, heaters or fans, fresh air vents and drafts can drive smoke away from smoke detectors.
- Dead air spaces are often at the top of a peaked roof, or in the corners between ceilings and walls. Dead air may prevent smoke from reaching a detector. See Figures 4 and 5 for recommended mounting locations.
- In insect-infested areas. If insects enter a detector's sensing chamber, they may cause a nuisance alarm. Where bugs are a problem, get rid of them before putting up a detector.
- Near fluorescent lights, electrical "noise" from fluorescent lights may cause nuisance alarms. Install smoke detectors at least 5 feet (1.5 meters) from such lights.
- Your smoke detector is not to be used with smoke alarm guards.

Installing Your Smoke/CO Detector

Read "Locations To Install Your Detector" and "Locations Not To Install Your Detector" sections in this manual first, then decide where to install a smoke detector. Proceed as follows:

1. At the place where you are going to install your Smoke/CO detector, draw a horizontal line six inches (15 cm) long.
2. Remove the mounting bracket from your unit by rotating it counterclockwise, shown in Figure 7.
3. Place the bracket so that the two longest hole-slots are aligned on the line. In each of keyhole slots, drawing a mark to locate a mounting plug and screw.
4. Remove the bracket.
5. Using a 3/16-inch (5mm) drill bit, drills two holes at the marks and insert plastic wall plugs. Put the smoke detector away from plastic dust on it when you drill holes for mounting.
6. Using the two screws and plastic wall plugs (all supplied), attach the bracket to the wall.
7. Battery installation, shown in Figure 8
   a. Open battery cover
   b. Install battery into compartment ensuring correct polarity.
   c. After battery is replaced, please press test button immediately to check if it alarms properly.
8. Line up the slot of the bracket and the Smoke/CO detector. Pull onward on the Smoke/CO detector to make sure it is securely attached to the mounting bracket, shown in Figure 9.

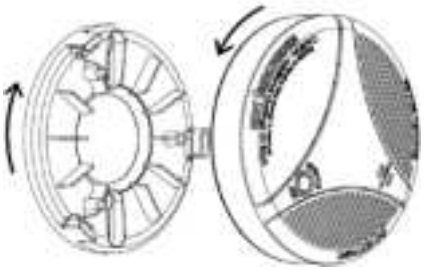

Figure 7: Removing the bracket

Figure 8: Battery location

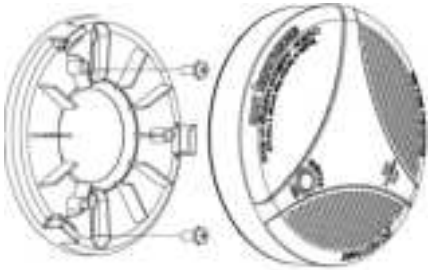

Figure 9: Mounting the bracket

FEATURES

CO ALARM (**PSMKCO** only) : The alarm pattern is four (4) short alarm sirens with four (4) Corresponding flashes of the red LED light every five (5) seconds for the initial four(4) minutes, and after the initial four(4) minutes ,this pattern will repeat every sixty(60) seconds. This pattern will repeat until the CO event is eliminated. The CO sensor is designed to detect carbon monoxide gas from ANY source of combustion. It is NOT designed to detect any other gas.

SMOKE ALARM: The alarm pattern is three (3) short alarm sirens with three (3) corresponding flashes of the red LED light. This pattern will repeat until the smoke event is eliminated. The smoke alarm will take precedence when both smoke and CO are present.

SILENCE FEATURE: The silence feature can temporarily quiet the siren for several minutes, and the LED still flashes according to correspond alarm. You can silence the Smoke/CO alarm by pressing the Test/Silence button on the detector. The Smoke alarm will remain silent for up to 8 minutes. After 8 minutes, if the smoke has not cleared, the siren will be sounding again. The CO alarm will remain silent for up to 4 minutes. After 4 minutes, if the CO levels remain dangerous, the siren will be sounding again.

TEST FEATURE: Please press Test/Silence button to test the Smoke/CO detector once after the installation is complete, and please test Smoke/CO detector at least once a week to ensure the detector is working properly.

Pressing the Test/Silence button, the detector will perform two different test alarm patterns in accordance type of the detector.

The test alarm pattern is three (3) short alarm sirens with three (3) corresponding flashes of the red LED light and then four (4) short alarm sirens with four (4) corresponding flashes of the red LED light repeat two (2) cycles.

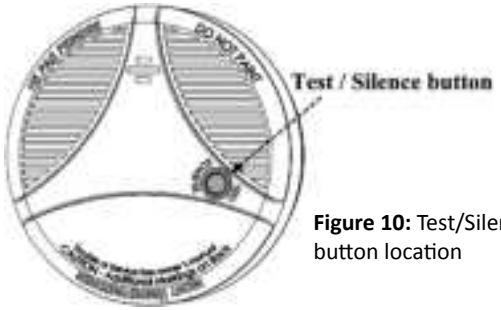

Figure 10: Test/Silence button location

LOW BATTERY WARNING: When the batteries are low and need to be replaced, the device will beep and the yellow LED light will flash once every 50 seconds. This warning should last for up to 30 days, but please replace the battery asap before battery power is completely exhausted.

Smoke/CO Detector (cont'd)

CO TROUBLE WARNING (**PSMKCO** only)**:** The CO trouble pattern is one (1) siren beep with two (2) corresponding flashes of the yellow LED light every 50 seconds. This pattern indicates the unit needs to be replaced.

SMOKE TROUBLE WARNING: The Smoke trouble pattern is three (3) sirens beep with one (1) corresponding flashes of the yellow LED light every 50 seconds. This pattern indicates the unit needs to be replaced.

SMOKE CLEAN ME WARNING: The Smoke high sensitivity pattern is two (2) Sirens beep with two (2) corresponding flashes of the yellow LED light every 50 seconds. This pattern indicates that the unit should be maintained or cleaned. Please refer to GENERAL MAINTENANCE section.

SMOKE LOW SENSITIVITY WARNING: The Smoke low sensitivity pattern is two (2) sirens beep with one (1) corresponding flashes of the yellow LED light every 50 seconds. This pattern indicates the unit needs to be replaced.

HUSH FEATURE: The hush feature can temporarily quiet the siren for one hour, and the LED still flashes according to correspond warning signal. You can silent/restore any warning signal by pressing the Test/Silence button on the warning signal. (**Note:** The Low battery warning can't be silenced)

END OF PRODUCT LIFE WARNING: The device will one (1) beep with four (4) corresponding flashes of the yellow LED light every fifty (50) seconds. This indicates that the detector must be replaced and deactivated immediately. The end-of-life is set ten-year when the user places the unit into service.

TAMPER ALARM: When the bracket is uninstalled, the tamper switch is opened, the tamper alarm will sound, the tamper switch location as shown in Figure: 11, The tamper alarm pattern is two (2) long alarm sirens with two (2) corresponding flashes of the yellow LED. **WARNING:** The tamper alarm is silenced for 5 minutes after energizing.

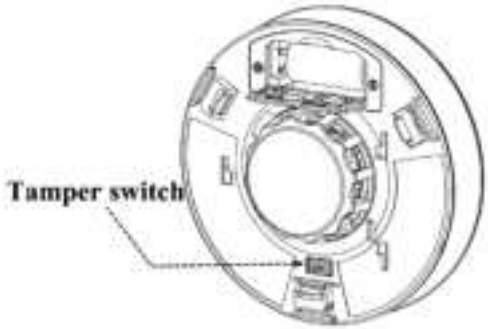

Figure 11: Tamper switch location

GENERAL MAINTENANCE

To keep your Smoke/CO detector in good working order, please follow these simple steps. Verify alarm siren, LED lights, and battery operation by pushing the test buttons at least once a week. Remove the device from the mounting bracket and vacuum the detector cover and vents with a soft brush attach- ment once a month to remove dust and dirt. Reinstall immediately after cleaning and then test using the tests button.

Never attempt to disassemble the unit or clean inside of it as this will void Your warranty. Never use detergents or solvents to clean the unit. When household cleaning supplies or similar contaminates are used, the area must be well ventilated. The following substances can damage the sensors and may cause false reading: methane, propane, isobutene, isopro-panol, ethyl acetate, hydrogen sulfide, sulfide dioxides, alcohol base products, paints, thinner, solvents, adhesives, hair spray, after shave, perfume, and some cleaning agents. Do not paint the detector. Paint will seal the vents and interfere with its ability to detect smoke and CO. Move the detector prior to performing any of the following: staining or stripping wood floors or furniture, painting, wall papering, using adhesives. Store the detector in a plastic bag during any of the above projects to help protect the sensors from damage. Make sure to reinstall the detector once done so as to assure continuous protection.

Smoke/CO Detector (cont'd)

IF CO ALARM ACTIVATES

(**PSMKCO** only) Actuation of your CO alarm indicates the presence of carbon monoxide (CO) which can kill you. If CO is detected, follow these steps. Thoroughly familiarize yourself with these items and review them with all of your family members.

WARNING!

(**PSMKCO** only) Actuation of your CO detector indicates the presence of carbon monoxide (CO) which can KILL YOU. If alarm signal sounds:

1. Operate reset/silence button
2. Call your emergency services (Telephone Number) [fire department or 911];
3. Immediately move to fresh air – outdoors or by an open door/window. Do a head count to check that all persons are accounted for. Do not reenter the premises nor move away from the open door/window until the emergency services responders have arrived, the premises have been aired out, and your alarm remains in its normal condition.
4. After following steps 1-3, if your alarm reactivates within a 24 hour period, repeat steps 1-3 and call a qualified appliance technician (Telephone Number) to investigate for sources of CO from fuel burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified during this inspection have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturers' instructions, or contact the manufacturers directly, for more information about CO safety and this equipment. Make sure that motor vehicles are not, and have not been, operating in an attached garage or adjacent to the residence.

ACTIONS TO TAKE AFTER THE PROBLEM BEING CORRECTED

Once the problem about the CO gas presence in the premises has been corrected, the alarm of the CO alarm unit should be off. After waiting for 10 minutes, push the Test button to test the CO alarm unit so that you can make sure that it is working properly again.

TECHNICAL INFORMATION FOR CO ALARM

According to the UL2034 has already established the carbon monoxide concentrations and exposure time standards for the alarms, which is specified below:

UL 2034:

- At 70ppm, the unit must alarm within 60-240 minutes
- At 150ppm, the unit must alarm within 10-50 minutes
- At 400ppm, the unit must alarm within 4-15 minutes

IF SMOKE ALARM ACTIVATES

Never ignore the sound of the alarm. Check for signs of fire or smoke through-out the residence. If a fire is discovered, follow the steps list below. Thoroughly familiarize yourself with these items and review them with all of your family members.

Smoke alarms may not awaken all sleeping individuals, and that it is the responsibility of individuals in the household that are capable of assisting others to provide assistance to those who may not be awakened by the alarm sound, or to those who may be incapable of safely evacuating the area unassisted. Leave immediately using one of your pre-planned escape routes. Every second counts .Do not get dressed or pick up valuables.

Smoke/CO Detector (cont'd)

- Before opening inside doors, look for smoke seeping in around edges. Feel the door with the back of your hand. If the door is hot, try to use another exit. If you feel it is safe, open the door very slowly but be prepared to close it should smoke rush in. If your escape route requires you to go through smoke, crawl low and under the smoke where the air is clearer.

  - Go to your predetermined meeting place. When two people have arrived, one should leave to call 911 from a neighbor's home. The other should stay to perform a head count.
  - Do not reenter the premises under any circumstances until the fire department gives you permission.

Specifications -- PSMK Wireless Smoke Detector, PSMKCO Wireless Combination Smoke/CO Detector

Transmitter Frequency	433MHz
Wireless Signal Range	up to 492 ft.*, open air, with Security Panel**
Modulation	OOK
Encryption	Yes, 1-way
Frequency Hopping	N/A
Supervision	Yes, ≈ 60 minutes
Tamper	Yes
LEDs	RGB, Status Indicator
Main Button	Multi-functional
Case Material	PC+ABS,
Finish/Color	White
Sound Level	85dB @ 3M
Battery	CR123A 3V Lithium Battery x1 (includes Low Battery/Malfunction Warning signal)
Standby Current	42 uA
Active Current, RF Only	8 mA
Active Current, CO Alarm	14.87 mA
Active Current, Smoke Alarm	74.17 mA
Operating Temp.	32° to 120.2°F (0° to 49°C)
Relative Humidity (Storage)	80% Max. non-condensing
Weather Proofing	N/A
Regulatory	FCC, IC, CE (TBD), UL2034, UL2075, UL217
Dimensions	Height 1.81 in. (4.6cm) with Base Diameter 4.92 in. (12.5cm)

Event Log

The Prima Super Panel stores and logs up to 500 events in Activity. Events exceeding 500 overwrite the oldest events. Note: The mobile app stores over 1000 events. The following types of events are logged:

- Z-Wave actions
- Alarms and Snapshots from the panel camera
- Camera recordings triggered by alarms
- Arming and disarming events
- Sensor activity: Open/Close/Tamper/Loss of Supervision/Low Battery/Bypass/Un-Bypass
- Panel Tamper
- Loss of Communication with Cloud Services

Z-Wave Home Automation

Overview: Z-Wave Home Control Network

A Z-Wave home control (or "home automation") network is a system used for remotely controlling light switches, light dimmers, drapes/blinds, appliances, air conditioning, heating, security systems, door locks and other devices within a home or office. Z-Wave is a reliable and robust wireless home control network standard that operates within a redundant and interconnected wireless network. This intelligent Z-Wave system even responds to changing conditions in real time to ensure your devices will reliably operate when needed. Prima is fully compatible with your Z-Wave system, allowing you to add and control multiple Z-Wave devices and configure them to your needs.

Adding a New Z-Wave Device

1. **Tap the 'Hamburger' icon:** On the panel main screen, locate and tap the 'Hamburger' menu icon (the icon looks like three horizontal lines) to access your panel's settings.
2. **Enter the Master passcode:** You will be prompted to enter the Master passcode to proceed. Remember to keep your passcode secure.
3. **Tap 'Z-Wave':** After successfully entering the Master passcode, you will be presented with a variety of options. Find and tap **Z-Wave**.
4. **Tap 'Devices':** Within the Z-wave menu, locate and tap **Devices**.
5. **Tap the '+' icon:** At the top right corner of the **Devices** screen, tap the '**+**' icon to begin the process of adding a new Z-Wave device.
6. **Select 'New' or 'Used':** Specify the status of the device to be added:
   - **If the device is new**, i.e., it has never previously been paired with a Z-Wave Controller, select **New**.
   - **If the device is used**, i.e., it was previously paired with a Z-Wave Controller, select **Used**.
7. **Set the device in the correct mode:**
   - **If you selected 'New'**, follow the instructions provided with your Z-Wave device to place it into 'inclusion mode' to allow the device to be recognized by the controller.
   - **If you selected 'Used'**, follow the instructions provided with your Z-Wave device to place it into 'exclusion' mode to remove all prior controller associations. After this step, place the device into 'inclusion mode' to initiate the pairing process.
8. **Enter DSK code if prompted:** Some Z-Wave devices include a DSK (Device Specific Key) for additional security. If so, you will be prompted to input this into the Super Panel during the pairing process. Confirm the DSK is entered correctly before continuing.
9. **Assign your device to a Room:** If the Z-Wave inclusion process is successful, you will be prompted to assign your new Z-Wave device to a room. Simply select your desired room from the available options to finalize the pairing process.

Removing a Z-Wave Device

1. **Tap the 'Hamburger' menu icon:** On the panel main screen, locate and tap the 'Hamburger' menu icon (the icon looks like three horizontal lines) to access your panel's settings.
2. **Enter the Master passcode:** You will be prompted to enter the Master passcode to proceed. Remember to keep your passcode secure.
3. **Tap 'Z-Wave':** After successfully entering the Master passcode, you will be presented with a variety of options. Find and tap **Z-Wave**.
4. **Tap 'Devices':** Within the Z-Wave menu, locate and tap **Devices**.
5. **Find and select the device:** Scroll through the list of paired Z-Wave

Z-Wave Home Automation (cont'd)

devices to find the device you want to remove. Tap to select the device.

6. **Tap 'Delete':** With the device selected, tap **Delete** to begin the device deletion process.
7. **Place the device in exclusion mode:** Follow the instructions provided with your Z-Wave device to place it into exclusion mode. This allows the controller to recognize that you wish to delete the device. 55
8. **Confirm deletion:** After the device is removed from the system you will receive a notification confirming the deletion.

Resetting Your Z-Wave Network

Warning: Resetting the Z-Wave network will remove all connected Z-Wave devices from your system. This is a significant action that cannot be undone. If you wish to add Z-Wave devices again, each device must be manually re-added. Be sure to follow each of the following steps carefully to ensure a successful Z-Wave network reset:

1. **Tap the 'Hamburger' icon:** On the panel main screen, locate and tap the 'Hamburger' menu icon (the icon looks like three horizontal lines) to access your panel's settings.
2. **Enter the Master passcode:** You will be prompted to enter the Master passcode to proceed. Remember to keep your passcode secure.
3. **Tap 'Z-Wave':** After successfully entering the Master passcode, you will be presented with a variety of options. Find and tap **Z-Wave**.
4. **Tap 'Reset Z-Wave':** Within the Z-Wave menu, find and tap **Reset Z-Wave**.
5. **Confirm Reset:** This action will remove all Z-Wave devices from your system. If you are sure you want to proceed, confirm the reset.
6. **Wait for the reset to complete:** The system will begin the process of resetting the Z-Wave network. This can take several minutes. Do not interrupt or interact with the system during this process.
7. **Confirm completion:** After the reset completes, you will receive a notification or message confirming that your Z-Wave network has been reset.

Approved Z-Wave Devices

Category	Manufacturer	Model
Smart Locks	Kwikset	Smartcode 888
		68242-001
		914 S 2 TRL ZW500 15
		916CNT ZW500 15
		HC620 TRL ZW700
	Schlage	Connect Smart Deadbolt
		BE469ZP
		Schlage E599
	Yale	YRD226-ZW2-619
		YRD-226
		YRD136-ZW2-169
Thermostats	Honeywell	T6 Pro
	2GIG	2GIG-STZ-1
	EcoLink	TBZ500
	RCS	TBZ48
	Trane	XR724

Category	Manufacturer	Model
Smart Plugs	Leviton	DZPA1
		DZPD3
	Honeywell	ZW3107
	Jasco	ZW3105
	Evalogik	ZW39
	GoControl	PS15EMZ5-1
Garage Controller	GoControl	GD00Z8GC
	EcoLink	GDZW7-ECO
Siren	EcoLink	ISZW7-ECO
Water Valve	Eco Net	EVC-200
	Zooz	WATER VALVE ACTUATOR
Switches	Evolve	LPM-15

RF Translator Module

The **PRETROFIT** RF Module is a wireless 345 MHz to 433 MHz translator that transfers existing non-Prima sensors (that transmit unencrypted 345Mhz signals) and translates the signals to 433MHz encrypted signals that are compatible with the NAPCO Prima® Super Panel. The typical signals that are translated include each sensor's alarm, supervisory and trouble signals that are sent wirelessly to the Prima® Super Panel. **IMPORTANT:** DO NOT use the translator with life safety sensors such as Smoke detectors, Heat detectors or CO detectors. A maximum of 62 sensors can be enrolled into the translator.

Add the PRETROFIT to the Super Panel

a. Access the Super Panel's **Add Devices** screen (**Settings** > **Devices** > **+**), then select "**Translator**".
b. Open the **PRETROFIT** module cover to trip the tamper switch.
c. Confirm the **PRETROFIT** serial number is displayed on the panel screen.
d. Type a description of the **PRETROFIT**.

Enroll Wireless 345MHz Sensors

a. Open the **PRETROFIT** module cover and connect power. Wait at least 30 seconds for the **PRETROFIT** to power up fully.
b. Power all 345MHz sensors to be included in the system (enrolled into the **PRETROFIT**).
c. Press the "**Configure**" button to enter Enroll Mode (the blue Enroll Mode LED turns on).
d. Trigger each wireless 345MHz sensor's tamper switch (or trigger the sensor to send a violation or fault, such as opening a zone). The **PRETROFIT** will sound a single beep upon each successful 345MHz sensor enrollment, accompanied by the Enroll Mode LED turning green then back to blue.
   - If the enrollment is unsuccessful or if the sensor was previously enrolled, the Enroll LED will turn on red.
e. Press the "**Configure**" button to exit Enroll Mode (the Enroll Mode LED turns off). The **PRETROFIT** auto-exits Enroll Mode after 10 minutes if no triggered 345MHz signal is received (or if the **PRETROFIT** module cover is replaced). **Note:** Previously enrolled sensors are retained if you later re-enter Enroll Mode to add additional sensors. In addition, even if both the 12VDC input power and battery backup power are removed from the **PRETROFIT**, all previously enrolled sensors are retained.

Panel add 345MHz Wireless sensor (being enrolled by translator)

a. Access the XP02 panel's Add Devices (Settings > Devices > +), then select the correct sensor type.
b. Trigger/Tamper the enrolled sensor.
c. Confirming the SN
d. Name Sensor.

Factory Reset

To return the **PRETROFIT** to its factory default condition, press / hold down both the Configure button and tamper switch for 10 seconds. When the **PRETROFIT** sounds a long beep; release both the tamper switch and Configure button.

RF Translator Module (cont'd)

Specifications -- RF Translator Module (Model PRETROFIT)

Transmitter Frequency	Rx 345MHz, Tx 433MHz
Tx Wireless Signal Range	up to 656 ft. (200m), open air, with Super Panel*
Rx Wireless Signal Range	up to 492.12 ft. (150m), open air, with Translator*
Modulation	OOK
Encryption	Yes, 345MHz (unencrypted) to 433MHz (encrypted)
Supervision	Yes, ≈ 60 minutes
LEDs	Rx Transmission, Tx Transmission, Power, & Configure
Button Actions	Pairing, Sensor Select, & Configure
Supported Sensors	2GIG, Honeywell, Unencrypted
Maximum Enrollments	64 Wireless Sensors, 2 Hardwired Sensors
Wired	Yes, Support Hardwired Sensors
Case Material, Color	ABS, White
Tamper	Yes
External Power Supply	12VDC 1A, 100 - 240VAC 50/60Hz, UL Certified
Current Draw	Output 12VDC max., 80mA for Wired Sensors
Backup Battery	x1 - 2000mAh 3.6V Li-ion
Backup Battery Life	Min. 24 Hrs. for Non-powered Zones, Min. 4 Hrs. for Powered Zones
Operating Temp.	32° to 120.2°F (0° to 49°C)
Relative Humidity (Storage)	85% Max. non-condensing
Weather Proofing	N/A, Indoor Use Only
Dimensions (H x W x D)	4.56 x 4.52 x 1.02 In. (11.6 x 11.5 x 2.6cm)
Regulatory	FCC, IC (TBC)

* With the front of the Translator facing the panel LCD, the panel installed at a height of 4.92 ft. (1.5m), and the Translator installed at a height of 3.93 ft. (1.2m).
** The location of the Translator can have a significant effect on range. In open/unobstructed situations, the transmitter range may be greater. In adverse wireless conditions, you may encounter a decrease in range. The RX range is dependent on sensor capabilities.

Ordering Information

Prima Kits:

- **PKIT1A** System in a Box: 7" Super Panel, 3 Window/Door Transmitters and PIR, with wall and tabletop brackets, mounting supplies and long-life batteries, supplied, AT&T network
- **PKIT1V** as above, Verizon
- **PKIT1DA** System + Doorbell in a Box: 7" Super Panel, 3 Win-dow/Door Transmitters and PIR plus Doorbell (Hardwired), with wall and tabletop mount brackets, long-life batteries, supplied, AT&T
- **PKIT1DV** as above, Verizon

Prima Components:

- **PBELL** Self-Healing Wi-Fi HD Video Doorbell (Hardwire,1030VAC), PIR Motion Trigger 130 @10', audible/visual alert, mounting supplies and angle
- **PWBELL** Wireless Self-Healing Wi-Fi HD Video Doorbell
- **PCAM** Indoor/Outdoor HD Camera, with Self-Healing Wi-Fi and EZ-Magnetic Mount
- **PSOLAR** Solar Panel Option, for recharging cameras
- **PWD** Window/Door Transmitter
- **PWTEMP** Flood/Freeze Temperature Sensor
- **PGB** Glassbreak Transmitter*
- **PPANIC** Wristwatch-Style Panic Button (w/Clip and lariat options)*
- **PPIR** Passive Infrared Sensor Transmitter*
- **PFOB** Multi-button Keyfob on Ring*
- **PRWD** Recessed Window/Door Transmitter*
- **PSMKCO** Wireless Combination Smoke/CO Detector*
- **PSMK** Wireless Smoke Detector*
- **PRETROFIT** RF Translator Module / Wireless 345 MHz TO 433 MHz Translator
- **PP1A** All-In-One 7" Super Panel-Only, with mounts, AT&T.
- **PP1V** All-In-One 7" Super Panel-Only, with mounts, Verizon.

*All sensors include long-life batteries and mounting hardware.

FCC Compliance

All devices comply with part 15 of the 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.

Note: 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 to an outlet on a circuit different from that to which the receiver is connected

Consult the dealer or an experienced radio/TV technician for help. Changes or modifications to this product not authorized by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

Environmental class	UL: Indoor dry IEC: 3K5
EU compliance	CE
EN 54	EN 54-00:0000
European Union Directives	1999/5/EC (R&TTE directive): This device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
	2004/108/EC (EMC directive): This device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/ EC. 2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

ALL PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION AND/OR DESIGN.

NAPCO LIMITED WARRANTY

NAPCO SECURITY TECHNOLOGIES, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for twenty–four months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period. IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty.

NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

This warranty contains the entire warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of the property or safety of the user(s) or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.