

1142 SERIES WIRELESS TWO-BUTTON TRANSMITTER

Installation Guide

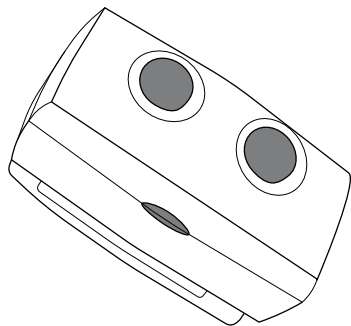


Figure 1: 1142 Series Wireless Two-Button Transmitter

DESCRIPTION

The 1142 Series are wireless two-button hold-up transmitters that can be mounted under a counter or on a wall. They provide a tamper switch to identify if the unit has been removed from its mounted location. The 1142E features 128-bit AES encryption.

The 1142BC wireless two-button panic transmitter is designed to clip to a belt or pocket. Optionally, the 1142BC can be mounted under the counter or on a wall.

Both 1142 Series units provide two buttons that, when pressed at the same time, send a panic message to the control panel. They also provide an LED that can be programmed to provide visual indication that a panic alarm has been transmitted.

Compatibility

All DMP XT Series and XR Series and all 1100 Series Wireless Receivers.

To enable encryption on 1142E models, Version 183 is required for XT and XR Series panels and Version 300 is required for Wireless Receivers.

What is Included?

- One 1142 Wireless Two-Button Transmitter
- One 3.0V Lithium CR123A Battery
- Hardware Pack
- Belt Clip (If 1142BC was ordered)



1

PROGRAM THE PANEL

Refer to the panel programming guide as needed.

1. At a keypad, enter 6653 (PROG) to access the Programmer Menu.



Note: Steps 2 and 3 are for the 1142E to enable encryption. If using an 1142, proceed to step 4 to continue the installation.

2. (1142E only) Navigate to System Options. At the **1100 ENCRYPTION** prompt, select **ALL** to only add encrypted wireless devices to the system. Select **BOTH** to allow both encrypted and non-encrypted wireless devices to be programmed.
3. (1142E only) The default passphrase appears at the **ENTER PASSPHRASE** prompt. Press **CMD** to keep the default. Press any select key or area to change the passphrase and enter an 8-character hexadecimal string (0-9, A-F).
4. In **ZONE INFORMATION**, enter the wireless **ZONE NO.**
5. Enter the **ZONE NAME**.
6. Select **PN** (panic) as the **ZONE TYPE**.
7. At the **NEXT ZN?** prompt, select **NO**.
8. Select **YES** when **WIRELESS?** displays.
9. Enter the eight-digit **SERIAL#** and press **CMD**.
10. Enter in the **SUPRVSN TIME** (supervision time) and press **CMD**.



For the 1142BC applications where the transmitter may be taken off-site, set the supervision time to zero (0).

11. At **LED OPER** (operation), select **YES** to activate or **NO** to not activate the LED when a panic signal is transmitted or acknowledged by the receiver. The LED pulses for five minutes after the acknowledgement is received from the panel.
12. At the **NEXT ZN?** prompt, select **YES** if you are finished programming the zone. Select **NO** if you would like to access additional programming options.

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OPEN THE 1142

Because of the strength and the snap-on design of the plastic, the 1142 can only be opened by using a 3/16" slotted tip screwdriver.

1. Insert the screwdriver in **Tab 1** and twist it clockwise as seen in Figure 2.
2. Insert the screwdriver in **Tab 2** and twist it counterclockwise until the housing completely opens.

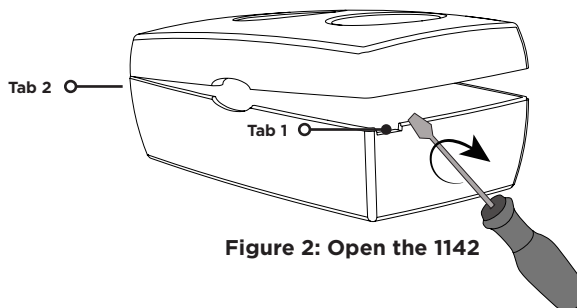


Figure 2: Open the 1142

3 INSTALL THE BATTERY

Use a 3.0V lithium battery or a DMP Model CR123A battery. It is recommended for UL installations to use either an Energizer 123 battery or a CR123A battery manufactured by Panasonic or Tekcell. Keep in mind, when setting up a wireless system, program zones and connect the receiver (if needed) before installing the battery.

With the 1142 already open, observe polarity and place the battery in the holder and press it into place.

4 SELECT A LOCATION

The 1142 provides a survey capability to allow one person to confirm communication with the wireless receiver or panel while the cover is removed. This allows you to determine the best location for the 1142.

Check the Location Using a Survey LED

1. Hold the 1142 in the exact desired location.
2. Press the tamper switch to send data to the panel and determine if communication is confirmed or faulty. See Figure 3 for tamper switch and LED locations.

✓ **Confirmed:** If communication is confirmed, the survey LED turns on when data is sent to the receiver and off when acknowledgement is received. Repeat this test to confirm five separate consecutive LED blinks. Any indication otherwise means proper communication has not been established.

✗ **Faulty:** If communication is faulty, the LED remains on for about 8 seconds or flashes multiple times in quick succession.


3. Relocate the 1142 or receiver until the LED confirms clear communication. Proper communication between the 1142 and panel is verified when for each press or release of the tamper switch, the LED blinks immediately on and immediately off.

5 INSTALL THE 1142

For a permanent installation, mount the 1142 in a location that is accessible but not visible to the attacking party. If you programmed the 1142 with zero (0) supervision time, go to **Install the Belt Clip**.

Under-the-Counter Mounting

1. Set aside the top housing containing the PCB and the battery.
2. Place the base housing in the desired location with the LED cut-out facing you.
3. Use the two supplied Phillips screws to mount the base.
4. Align the top housing and LED cut-out with the base housing and LED cut-out and snap into place. Ensure the tamper in the top housing is aligned with the tamper location on the base housing.

 For UL listed holdup installations, mount the 1142 in a permanent location.

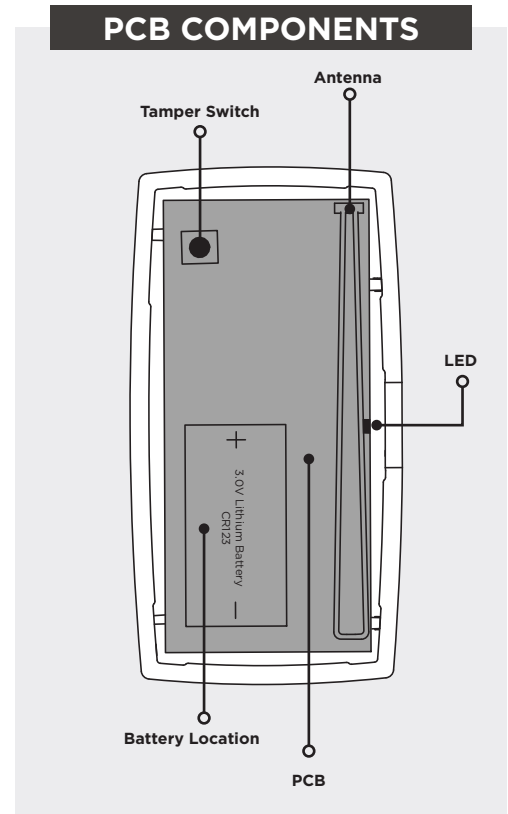


Figure 3: PCB Components

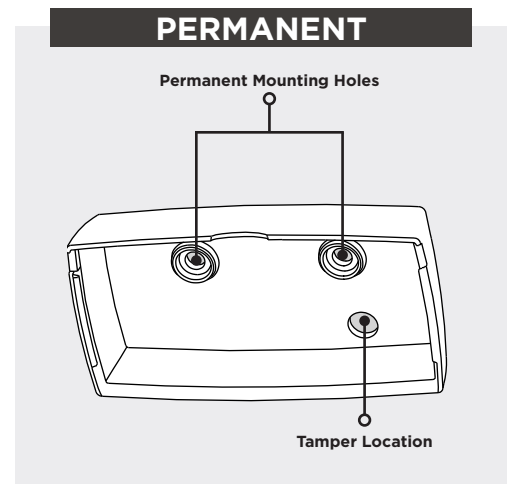


Figure 4: Permanent Installation

Install the Belt Clip

1. Set aside the top housing containing the PCB, battery, and LED.
2. Align the belt clip spacer with the housing indentation.
3. Using the supplied screw, secure the belt clip to the housing.
4. Align the top housing and LED cut out with the base housing and LED cut out and snap into place. See Figure 5.

Use the 1142BC

Once the belt clip has been installed and the 1142BC housing is secured, clip the 1142BC to a belt or pocket that is easy to access when an emergency occurs. See Figure 6.

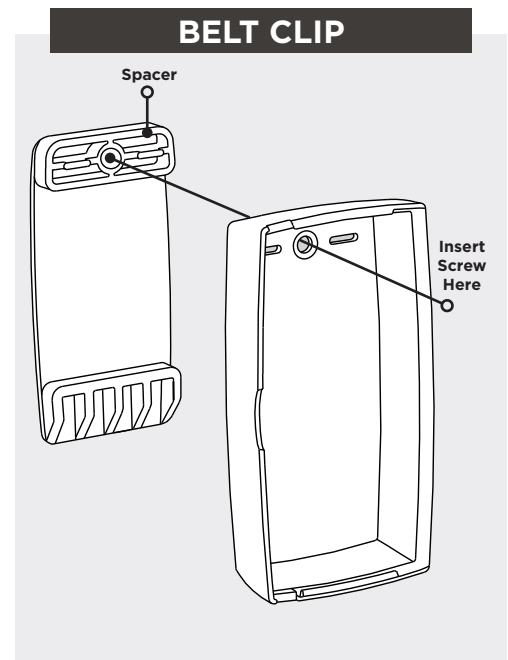


Figure 5: Install the Belt Clip

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WALK TEST THE 1142

After the 1142 has been installed, perform a Walk Test to confirm the 1142 is communicating with the panel.

Walk Test

1. At the keypad, enter 8144 (WALK) and select WLS.
2. If the 1142 fails to check in at the keypad, relocate the wireless device or receiver.

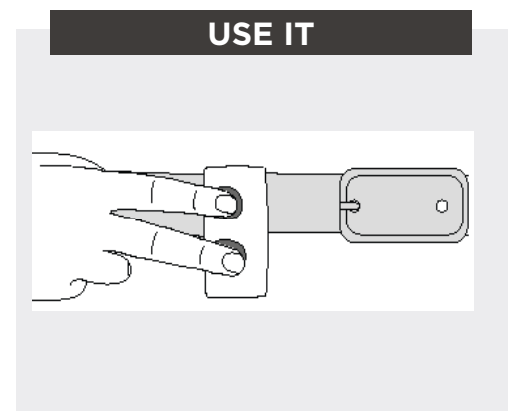



Figure 6: Use the 1142BC

REPLACE THE BATTERY

1. Open the 1142 and remove the old battery.
2. Observe polarity and place the new battery in the holder and press into place. .
3. Align the top housing and LED cut-out with the base housing and LED cut-out and snap into place. See Figure 2.

 Properly dispose of used batteries. Do not recharge, disassemble, heat above 212°F (100°C), or incinerate. Risk of fire, explosion, and burns.

Sensor Reset to Clear LOBAT

When the battery needs to be replaced, a **LOBAT** message will display on the keypad. Once the battery is replaced, a sensor reset is required at the system keypad to clear the **LOBAT** message.

1. On a Thinline keypad, press and hold "2" for two seconds. On a touchscreen keypad press **RESET**.
2. Enter your user code if required. The keypad displays **SENSORS OFF** followed by **SENSORS ON**.

FCC INFORMATION

This device complies 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.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm (7.874 in.) from all persons. It must not be co-located or operated in conjunction with any other antenna or transmitter.

Changes or modifications made by the user and not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

INDUSTRY CANADA INFORMATION

This device complies with Industry Canada Licence-exempt RSS standard(s). Operation is subject to the following two conditions:

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

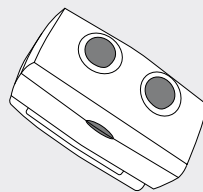
This system has been evaluated for RF Exposure per RSS-102 and is in compliance with the limits specified by Health Canada Safety Code 6. The system must be installed at a minimum separation distance from the antenna to a general bystander of 7.87 inches (20 cm) to maintain compliance with the General Population limits.

L'exposition aux radiofréquences de ce système a été évaluée selon la norme RSS-102 et est jugée conforme aux limites établies par le Code de sécurité 6 de Santé Canada. Le système doit être installé à une distance minimale de 7.87 pouces (20 cm) séparant l'antenne d'une personne présente en conformité avec les limites permises d'exposition du grand public.

1142 SERIES WIRELESS TWO-BUTTON TRANSMITTER

Specifications

Battery	
Life Expectancy	5 years (normal operation)
Type	3.0V lithium CR123A
Frequency Range	905-924 MHz
Dimensions	
Transmitter Case	3.3" L x 1.6" W x 1.2" H
Belt Clip	1.9" L x 0.9" W x .03" H
Color	Black, White
Housing material	Flame retardant ABS



Patents

U.S. Patent No. 7,239,236

Ordering Information

1142-W Standard Wireless Two-Button Transmitter

1142E-W Encrypted Wireless Two-Button Transmitter

Compatibility

- 1100D Wireless Receivers
- 1100DH Wireless High Power Receivers
- 1100DI Wireless In-line Receivers
- 1100X Wireless Receivers
- 1100XH Wireless High Power Receivers
- XTLC Panels with an integrated wireless receiver
- XLTLN Panels with an integrated wireless receiver
- XT50 Series Panels with an integrated wireless receiver
- XTLP Series Panels

Certifications

FCC Part 15 Registration ID CCKPC0191
Industry Canada Registration ID 5251A-PC0191

Underwriters Laboratory (UL) Listed
• ANSI/UL636 Holdup Alarm Units and Systems Accessory



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