

# 1102 WIRELESS UNIVERSAL TRANSMITTER

## Installation Guide

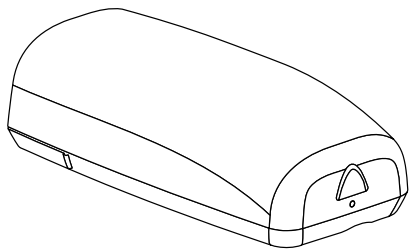


Figure 1: 1102 Universal Transmitter

### DESCRIPTION

The 1102 Universal Transmitter provides an onboard terminal block as a single input, typically used with external door or window contacts.

The contact operates as a single zone.

The 1102 features the Disarm/Disable operation to save battery life. When this option is enabled, Zone Tripped messages are disabled when the system is disarmed.

Using the onboard LED, the transmitter provides built-in survey capability to allow for single-person installations, eliminating the requirement for an external survey kit. For added security, an internal case tamper switch is provided.

### Compatibility

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

### What is Included?

- One 1102 Transmitter
- One 3 V lithium CR123A battery
- Hardware pack



## 1 PROGRAM THE PANEL

Refer to the panel programming guide as needed. After completing each of the following steps, press **CMD** to advance to the next prompt.

1. At a keypad, enter **6653** (PROG) to access the Programmer Menu.
2. At **ZONE INFORMATION**, enter the wireless **ZONE NO.**
3. At **\*UNUSED\***, enter the zone name.
4. At **ZONE TYPE**, press any select key or area and select the zone type.
5. At the **NEXT ZONE** prompt, select **NO**.
6. When **WIRELESS?** displays, select **YES**.
7. At **SERIAL#**, enter the eight-digit device serial number.
8. At **CONTACT**, select **EXTERNAL**.
9. At **SUPRVSN TIME**, enter a supervision time. Default is **240**.
10. At **DISARM DISABLE**, select **NO** or **YES**.
11. At the **NEXT ZONE** prompt, select **YES** if you are finished programming the zone. Select **NO** if you would like to access additional programming options.
12. To save panel programming, go to **STOP** and press **CMD**.

## 2 INSTALL THE BATTERY

Use a 3.0 V lithium battery, a DMP Model CR123A battery, or an equivalent model from Sony or Murata. For listed installations, use either an Energizer® 123 battery or a CR123A battery manufactured by Panasonic or Tekcell.

1. Push the button on the end of the transmitter and separate the two halves.
2. Observing polarity, place the battery in the holder and press it into place. Refer to Figure 2 during installation.

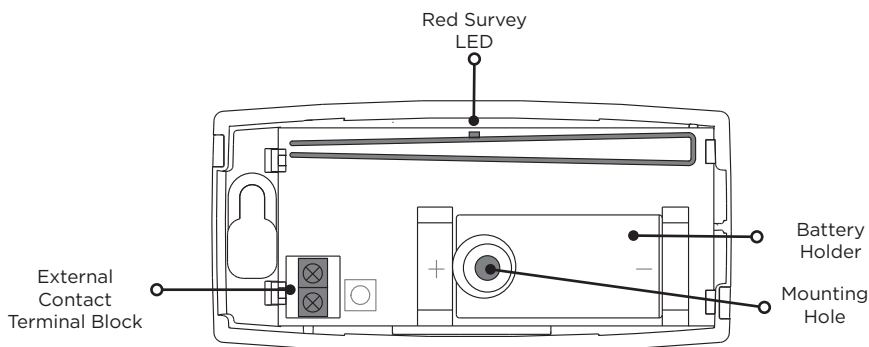


Figure 2: 1102 Interior

# 3 SELECT A LOCATION

The 1102 provides a Survey LED capability to allow one person to confirm communication with the wireless receiver or panel while the cover is removed.

1. With the cover removed, hold the transmitter in the exact desired location.
  2. Press the tamper switch to send data to the panel and determine if communication is confirmed or faulty.
- ✓ **Confirmed:** If communication is confirmed, for each press or release of the tamper switch, the LED blinks immediately on and immediately off. 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. Relocate the transmitter or receiver until the LED confirms clear communication.

# 4 MOUNT THE TRANSMITTER

When mounting the 1102, refer to Figure 2 for battery and mounting hole locations.

1. Remove the battery.
2. Place the supplied #4 screw into the mounting hole and secure the transmitter to the surface.
3. Reinsert the battery.

# 5 WIRE EXTERNAL CONTACTS

Refer to Zone Information in the appropriate panel programming guide for more information. DMP recommends using 18 or 22 AWG unshielded wire for contact connections. Do not use twisted pair or shielded wire.

1. Use a flathead screwdriver to loosen the two screws on the external contact terminal block.
2. Insert external contact wiring into the 1102 terminal block and tighten the screws.
3. Connect the other ends of the wires to the external contact as either normally open (N/O) or normally closed (N/C) without an end-of-line resistor.
4. Snap the transmitter cover back onto the base.

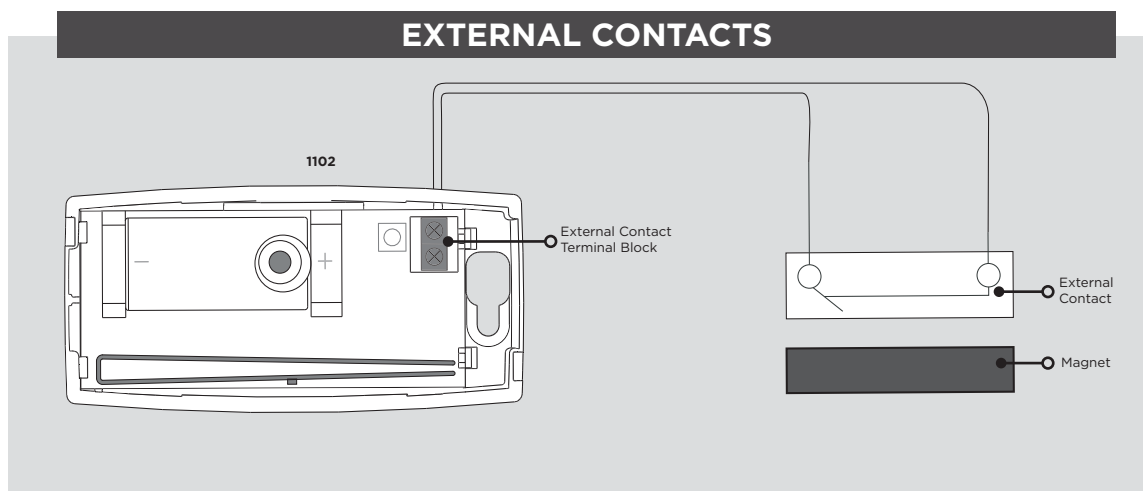


Figure 3: External Contact Wiring

# 5 TEST THE TRANSMITTER

After the transmitter has been installed, test to confirm that it is communicating reliably with the panel. Use the Tech APP™ to perform a Wireless Walk Test on the system or complete the following steps to perform a Walk Test from a keypad that is connected to the panel:

At the keypad, enter **8144** (WALK) and select WLS. If the transmitter fails to check in at the keypad, ensure that it is wired properly and check for sources of interference such as metal objects and electronic equipment.

## ADDITIONAL INFORMATION

### *Supervision Time*

When a receiver is installed, powered up, or the panel is reset, the supervision time for transmitters is reset. If the receiver has been powered down for more than one hour, wireless transmitters may take up to an additional hour to send a supervision message unless tripped, tampered, or powered up. This operation extends battery life for transmitters. A missing message may display on the keypad until the transmitter sends a supervision message.

### *Replace the Battery*

1. Push the button on the end of the transmitter and separate the two halves.
2. Remove the old battery, observe polarity, and place the new battery in the holder.
3. Snap the cover back on the transmitter.

### *Sensor Reset to Clear LOBAT*

Once the battery is replaced, a sensor reset is required at the keypad to clear the **LOBAT** message. On an LCD keypad, press and hold 2 for two seconds. On a graphic touchscreen keypad, press **RESET**. 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 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.

 **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:

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

## INDUSTRY CANADA INFORMATION

This device complies with Industry Canada Licence-exempt RSS standards. 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.

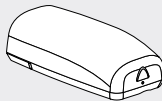
This system has been evaluated for RF Exposure per RSS-102 and is in compliance with the limits specified by Health Canada Safety Code 6. The system must be installed at a minimum separation distance from the antenna to a general bystander of 7.87 inches (20 cm) to maintain compliance with the General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

*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.*

*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.*

## 1102 WIRELESS UNIVERSAL TRANSMITTER



### Specifications

|                  |                            |
|------------------|----------------------------|
| Battery          |                            |
| Life Expectancy  | 5 years (normal operation) |
| Type             | 3.0 V lithium CR123A       |
| Frequency Range: | 905-924 MHz                |
| Dimensions       | 3.3" L x 1.6" W x 1.0" H   |
| Housing Material | Flame retardant ABS        |

### Ordering Information

1102-W Universal Transmitter, white

### Patents

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

### Certifications

FCC Part 15 Registration ID CCKPC0191  
Industry Canada Registration ID 5251A-PC0191  
Underwriter's Laboratory (UL) Listed  
ANSI/ UL 1023 Household Burglar Alarm System Units  
Accessory Magnetically Activated Switch  
or Door Contact Transmitter  
ANSI/UL 634 Connections and Switches for use with  
Burglar Alarm Systems Accessory



Designed, engineered, and  
manufactured in Springfield, MO  
using U.S. and global components.

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2500 North Partnership Boulevard  
Springfield, Missouri 65803-8877  
800.641.4282 | DMP.com