

## 1131 Wireless Recessed Contact

### Description

The 1131 is a wireless recessed contact that provides concealed protection for doors, windows, or any other application needing a discreet contact. As with all DMP 1100 Series transmitters, the on-board LED provides built-in survey capability to allow for single-person installations, eliminating the requirement for an external survey kit. The 1131 transmits Normal, Alarm and Low Battery conditions.

### Included Components

- One 1131 in a two-part housing consisting of the transmitter housing tube and cap.
- One Magnet with housing
- One 3V Lithium CR12600 Battery

### Program the Contact in the Panel

Program the contact as a zone in **Zone Information** during panel programming. At the Serial Number: prompt, enter the eight-digit serial number. Continue to program the zone as directed in the panel programming guide.

### Select the Proper Location (LED Survey Operation)

The 1131 provides survey capability to allow one person to confirm transmitter communication with the receiver before installation. The 1131 Red Survey LED turns on whenever data is sent to the receiver then immediately turns off when the receiver acknowledgement is received. Using the contact magnet is a convenient way to send data to the receiver to confirm operation. When the magnet is moved away or brought towards the contact, the LED blinks once to indicate proper communication. When the transmitter does not receive an acknowledgement from the receiver the LED remains on for about 8 seconds to let you know communication is not established. Communication is also faulty when the LED flashes multiple times in quick succession. Relocate the contact or receiver until the LED immediately turns off indicating the transmitter and receiver are communicating properly. Proper communication between the transmitter and receiver is verified when each time the magnet is moved within 1/2 inch of the transmitter or pulled away from the transmitter.

### Consider the Mounting Location

For contact operation, the transmitter and magnet assembly should have no more than 1/2 an inch between the housings after installation. When mounting on metal (ferrous) surfaces, this distance is slightly less. For door installations, it is recommended the transmitter be mounted in the door frame and the magnet assembly be mounted in the door. If the transmitter is installed in a metal door frame, the communication distance to the receiver may be reduced.

### Install the Battery

Observe polarity when installing the battery. The negative end of the battery faces the transmitter printed circuit board. Use only 3.0V lithium batteries, DMP Model CR12600. See Figure 1.

**Note:** When setting up a wireless system, it is recommended to program zones and connect the receiver before installing batteries in the transmitters.

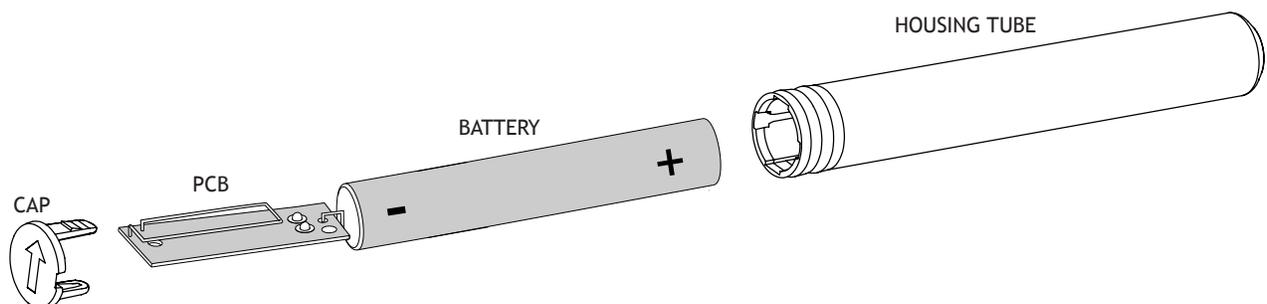


Figure 1: Installing the Battery

## Travel Distance

Depending on how the PCB is oriented, the distance the door can travel before a fault condition is indicated can be increased or decreased. For seasonally humid areas where wood doors expand and contract, it may be helpful to increase the travel distance.

The travel distance is determined by installing the transmitter with the reed switch on the top side of the PCB or on the bottom side of the PCB. See Figure 2.

- **3/4 Inch Travel Distance**  
Install the transmitter with the reed switch closer to the travel direction of the door allows a 3/4 inch distance of travel.
- **3/8 Inch Travel Distance**  
Install the transmitter with the reed switch farther away from the travel direction of the door allows a 3/8 inch distance of travel.

**Note:** The travel distance of a sliding door application is 3/4 inch regardless of the reed switch orientation.

## Install the Recessed Contact

1. Verify transmitter communication using the Survey LED function. Then, using a 5/8" drill bit (DMP Model 1131-DRILL BIT), drill a hole at least 4 3/4" deep in the frame at the desired location. Refer to Selecting the Proper Location.  
**Caution:** Be aware of any electrical wiring that may exist in the wall and avoid drilling in that area.
2. Insert the transmitter housing into the hole until the cap is flush with the door jamb. See Figure 3.
3. Insert the transmitter and battery assembly with the reed switch oriented for the required travel distance.

## Install the Magnet

1. Using a 5/8" drill bit (DMP Model 1131-DRILL BIT), drill a hole at least 3/4" deep in the frame at the desired location.
2. Insert the magnet into the hole and press into place. See Figure 3.

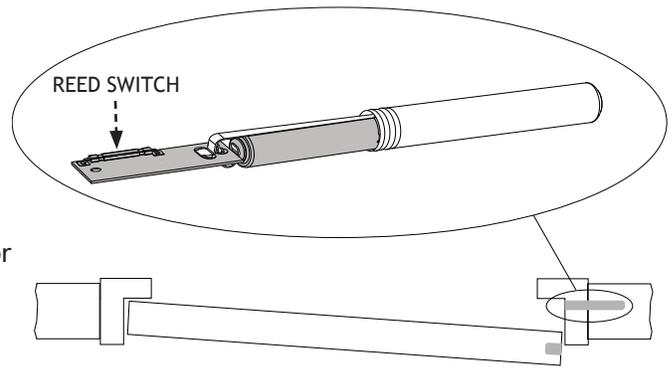


Figure 2: Left Hand Door Gap Distance

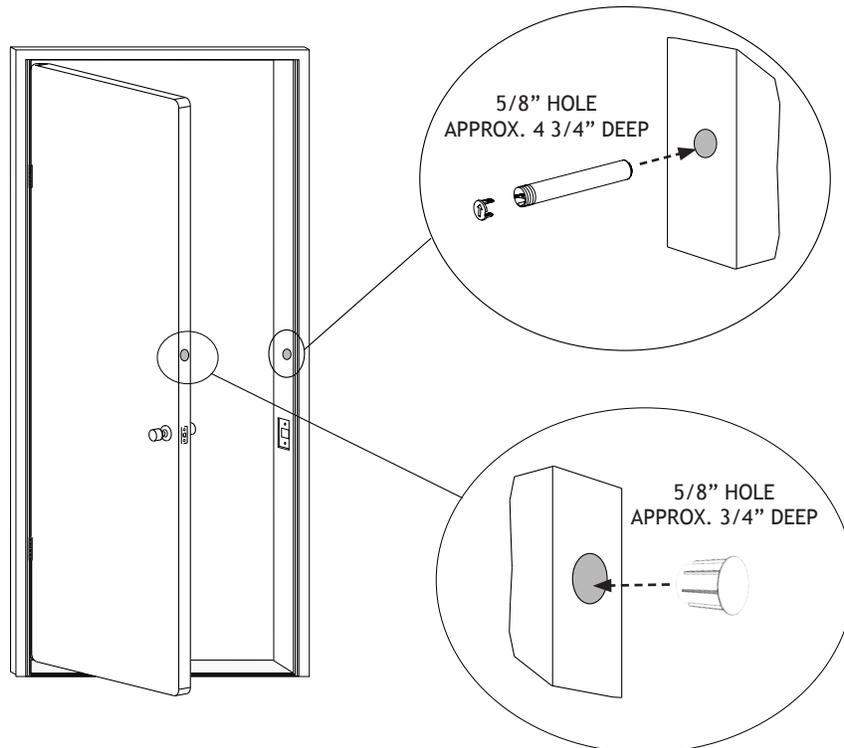


Figure 3: Installing the Recessed Contact

## Battery Life Expectancy

Typical battery life expectancy for DMP Model 1131 wireless transmitters is 5 years. DMP wireless equipment uses two-way communication to extend battery life.

The following situations can reduce battery life expectancy:

- Receiver is unplugged or not installed.  
**Note:** Transmitters continue to send supervision messages until a receiver returns an acknowledgement. After an hour the transmitter only attempts a supervision message every 60 minutes.
- Frequent transmissions, such as a door that is opened and closed continuously.
- When installed in extreme hot or cold environments.

The following situation can extend battery life expectancy:

- Extend transmitter supervision time in panel programming.
- Infrequent transmission trips, such as a window that is rarely opened or closed.

## Replacing the Battery

1. Remove the transmitter cap by inserting a small screw driver into the notch in the cap and gently prying it off. See Figure 4.
2. Slide the transmitter and battery assembly from the housing tube. Gently pull by gripping the antenna and end of the printed circuit board with your fingers.
3. Remove the old battery and dispose of it properly.
4. Place the 3.0V lithium battery in the holder as shown in Figure 2 with the negative end of the battery facing the transmitter printed circuit board and hold in place.
5. Slide the transmitter and battery assembly into the transmitter housing.
6. Install the cap on the transmitter housing tube.



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

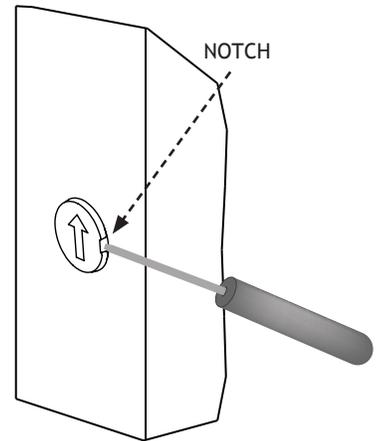


Figure 4: Removing the Transmitter Cap

## 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 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.

**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 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.

<b>Specifications</b> Battery Life Expectancy 5 years (normal operation) Type 3.0V lithium CR12600 See Battery Life Expectancy for full details. Frequency Range: 905-924 MHz Dimensions Housing 4.175" L x .55" DIA Magnet Housing 0.7" L x 0.55" DIA Color White Housing Material Flame retardant ABS	<b>Patents</b> U.S. Patent No. 7,239,236 <b>Compatibility</b> All 1100 Series Wireless Receivers All Panels with Built-In 1100 Series Wireless Receivers <b>Certifications</b> FCC Part 15 Registration ID: CCKPC0109 IC Registration ID: 5251A-PC0109	
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