

1107 Micro Window Transmitter

Description

The Model 1107 Micro Window Transmitter is a low profile 1100 Series transmitter for use on windows and powered by a 3V coin cell battery. It contains a single reed switch which detects a magnet.

Compatibility

All DMP 1100 Series Wireless Receivers and Panels

What is Included

The 1107 Micro Window Transmitter includes the following items:

- One 1107 Transmitter PCB mounted in a two-part housing
- Magnet with standard or commercial housing and base
- One CR2430 3V Coin Cell Lithium Battery
- Hardware pack and serial number label
- Double-sided tape for transmitter and standard magnet housing

Transmitter Serial Number

For your convenience, an additional pre-printed serial number label is included. Prior to installing the device, record the serial number or place the pre-printed serial number label on the panel programming sheet. This number is required during programming. As needed, use the zone name and number label to identify a specific transmitter.

Programming the Transmitter in the Panel

Program the device 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.

Note: 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.

Selecting the Proper Location (LED Survey Operation)

The 1107 provides survey capability to allow one person to confirm transmitter communication with the receiver before installation. The 1107 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 each time the magnet is moved within 1/2 inch of the transmitter or pulled away from the transmitter. Refer to the 1100 Series Receiver installation for full information about the survey LED.

Mounting the Transmitter and Magnet Assembly

The transmitter and magnet assembly should have no more than 1/2" space between the assembled housings after installation. When mounting on metal (ferrous) surfaces, this distance is slightly less. It is recommended the transmitter be mounted on the window frame and the magnet assembly be mounted on the window.

Magnet Assembly

Only one magnet assembly is required for internal reed switch operation. Depending on the installation requirements, either the Standard Magnet Assembly (Figure 3) or the Commercial Magnet Assembly (Figure 4) can be used. Snap the supplied magnet into the desired housing prior to mounting.

Installing the Transmitter and Magnet

1. Remove the cover and battery if installed. See Fig. 1.
2. Hold the transmitter base in place with the reed switch nearest to the area where the magnet is to be mounted.

Note: There is no need to remove the PCB from the housing during installation.
3. Use the supplied double-sided tape or place one supplied #4 flat head screw into the mounting hole location to secure the housing to the surface.
4. When using the standard magnet, place the magnet base on the surface nearest to the internal reed switch location aligning the location notches in the transmitter and magnet base (see Figure 5), and use the provided #4 flat head screws to secure the magnet base in place. Snap the magnet into the standard housing, then snap the housing onto the base.
5. When using the commercial magnet, snap the magnet into the commercial housing, then using the supplied #4 flat head screws, mount the magnet using the alignment notches as a guide (see Figure 6).

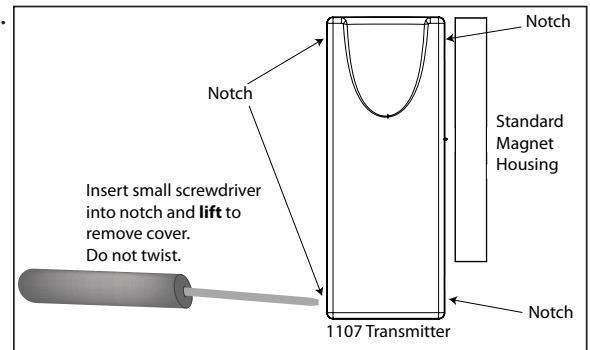


Figure 1: Transmitter and Magnet

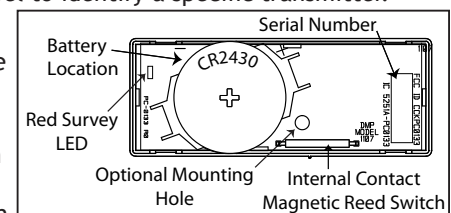


Figure 2: 1107 PCB Layout

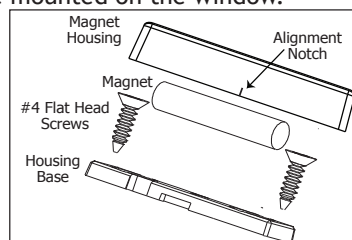


Figure 3: Standard Magnet Assembly

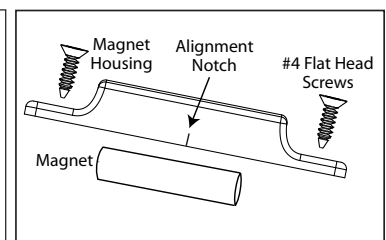


Figure 4: Commercial Magnet Assembly

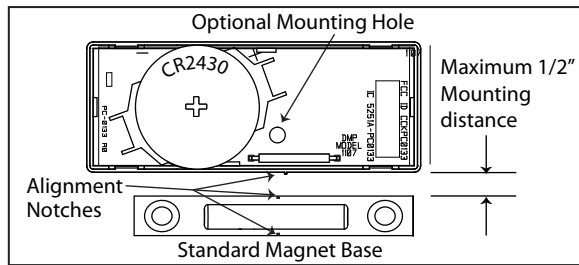


Figure 5: Transmitter and Standard Magnet

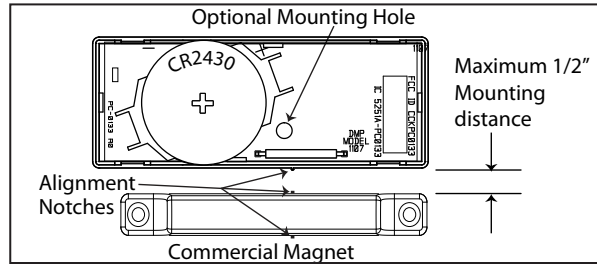


Figure 6: Optional Commercial Magnet

Installing or Replacing the Battery

Observe polarity when installing the battery, the positive (+) side up. Reversing the battery will damage the transmitter. Use a 3V coin cell lithium battery, DMP Model CR2430, or the equivalent battery from a local retail outlet.

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

1. If installed, remove the transmitter housing cover as shown in Figure 1.
2. If replacing the battery, remove the old battery and dispose of it properly.
3. Place the 3V coin cell lithium battery in the holder positive side up as shown in Figure 2 and press into place.
4. Snap the cover into place, keeping the thinner scooped end of the cover opposite of the battery.



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

Battery Life Expectancy

Typical battery life expectancy for DMP Model 1107 wireless transmitters is two years. DMP wireless equipment uses two-way communication to extend battery life.

The following situations can reduce battery life expectancy:

- If a 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 contact where messages are sent every time the door opens or closes.
- 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 rarely sends messages.

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.

Specifications		Accessories	
Battery		1107-HSG-C/10	Chocolate Color Housing-10 pack
Life Expectancy	2 years (normal operation)	Patents	
Type	3V coin cell lithium CR2430	U. S. Patent No. 7,239,236	
Frequency Range:	903-927 MHz	Listings and Approvals	
Dimensions		FCC Part 15 Registration ID CCKPC0133	
Transmitter	2 5/8" L x 1" W x 5/16" H	IC Registration ID 5251A-PC0133	
Standard Magnet	2 1/8" L x 3/8" W x 5/16" H		
Commercial Magnet	2 1/8" L x 3/8" W x 5/16" H		
Color	White		
Housing Material	Flame retardant ABS		
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800-641-4282		2500 North Partnership Boulevard	
www.dmp.com		Springfield, Missouri 65803-8877	
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