

## Installation Instructions

### GENERAL INFORMATION

The Honeywell 5800MICRA wireless recessed transmitter is a reed switch magnetic contact transmitter that allows the transmitter to be concealed from view when installed in a window. It is intended for use only with alarm systems that support Honeywell 5800 series devices. The transmitter is powered by a long-life lithium battery that is easily replaceable when a low battery is indicated by the control panel.

### Programming the Serial Number

Each 5800MICRA has its own unique serial number permanently assigned during manufacturing.

The control panel is used to "enroll" the transmitter's ID during installation of the alarm system. The zones input type should be as "RF" (i.e. Supervised RF) Type.

Refer to the control panel's installation instructions for further details.

### PRELIMINARY CONSIDERATIONS

Read all of this and the next section before installing the unit.

1. Select a location for the transmitter on the frame of the window.

**Do not use on metal frame doors or windows.**

#### 5800MICRA TRANSMITTER

The 5800MICRA transmitter will require a 3/4" diameter hole (using a 3/4" Forstner bit) drilled into the edge of the window frame no more than 11/32" deep.

BEFORE DRILLING ANY HOLES, SEE ITEM 2 BELOW AND MOUNTING SECTION ON PAGE 2.

**FOR VINYL SLIDING WINDOWS** the preferred direction of mounting is vertical.

**FOR HUNG WINDOWS** the 5800MICRA must be mounted horizontally in the window sill with the accompanying magnet mounted on the lower window sash. (see Step 1 - Measure & Drill in Figure 1)

2. Before drilling any holes, tape the transmitter and magnet in their approximate locations (with battery installed and unit together as described under BATTERY INSTALLATION / REPLACEMENT; *see page back*) and conduct Go/No Go tests (*see control's instructions*) to verify adequate signal strength. Reorient or relocate the transmitter if necessary.

Make sure that no more than a 1/2" gap will be present between the faces of the transmitter and magnet cases when they are installed and set. Also make sure the graphic on the transmitter and magnet is perpendicular to the length of the magnet per Step 3.

When installed, an alarm signal must be obtained before a clear space of 2" is reached as the window is opened.



### WARNING:

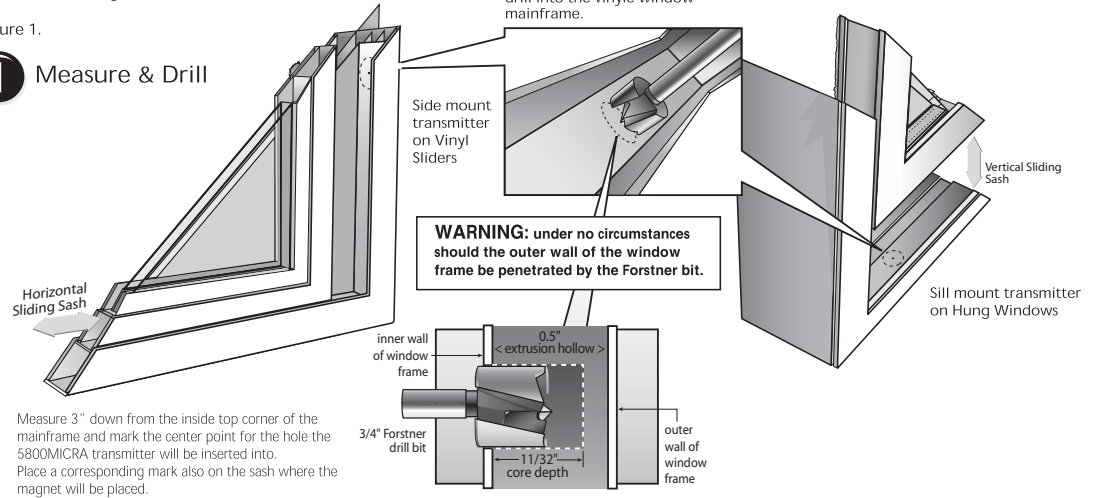
Under no circumstances should the outer wall of the window frame be penetrated by the Forstner bit.

A drill stop can be used to ensure the outer wall of the window frame is not damaged.

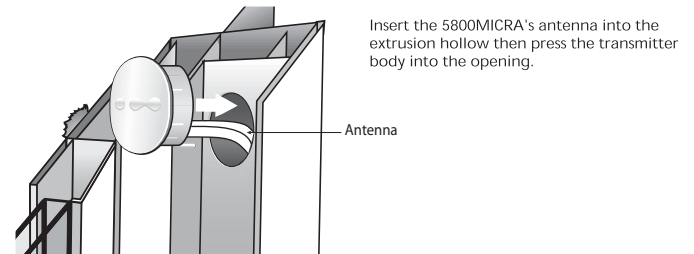
Figure 1.



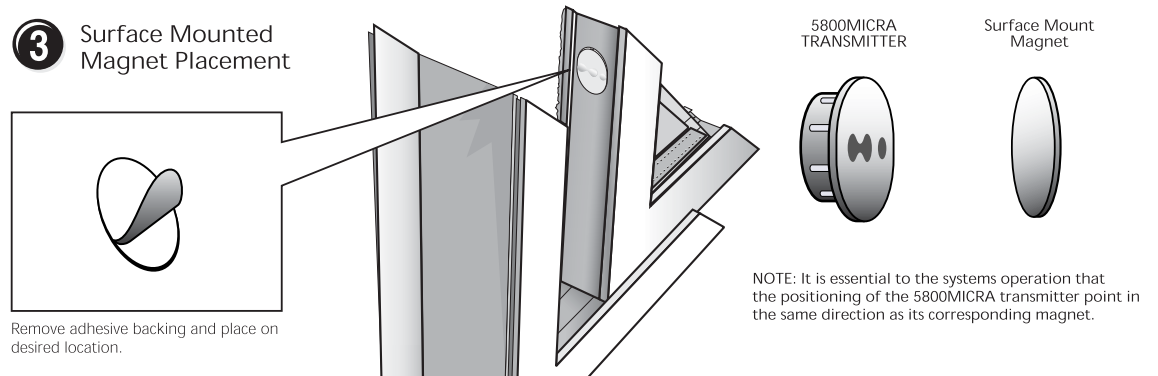
### Measure & Drill



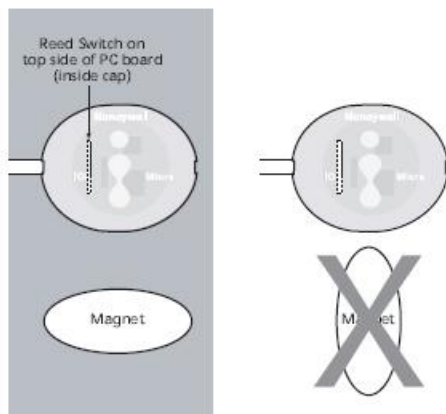
### Place and Set



### Surface Mounted Magnet Placement



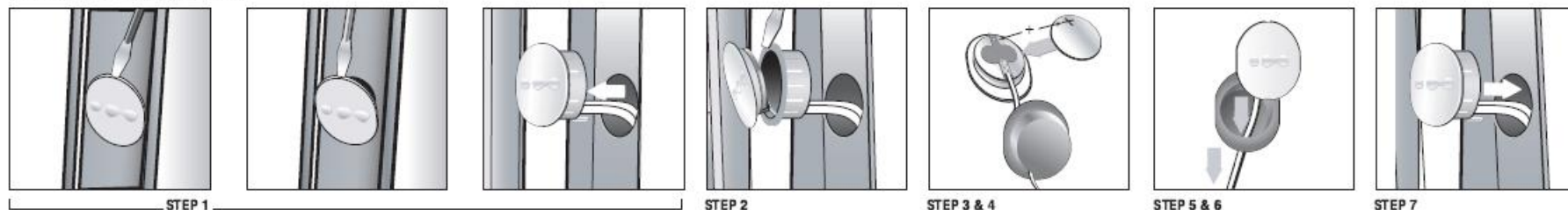
# 5800MICRA Recessed Transmitter



## Reed Switch / Magnet Positioning

Ensure that orientation of the switch and magnet is the same.

Figure 3. Battery Replacement



## TO THE INSTALLER

Regular maintenance and inspection (at least annually) by the installer and frequent testing by the user are vital to the continuous satisfactory operation of any alarm system. The installer should assume the responsibility of developing and offering a regular maintenance program to the user, as well as acquainting the user with the proper operation and limitations of the alarm system and its component parts. Recommendations must be included for a specific program of frequent testing (at least weekly) to insure the system's operation at all times.

REFER TO THE INSTALLATION INSTRUCTIONS FOR THE RECEIVER / CONTROL WITH WHICH THIS DEVICE IS USED FOR DETAILS REGARDING LIMITATIONS OF THE ENTIRE ALARM SYSTEM.

FOR WARRANTY INFORMATION, PLEASE GO TO:  
[www.honeywell.com/security/fsc/resources/wa](http://www.honeywell.com/security/fsc/resources/wa)



**CAUTION:** Before drilling any holes, make sure that successful Go/No Go transmission reception tests have been conducted as called for in the 5800MICRA transmitter section.

## MOUNTING (See Figure 1)

1. Mark the selected location for the transmitter on the frame of the window.
2. Mark the location for the magnet on the window sash, directly opposite the transmitter location. Before drilling any holes, make sure that the successful Go/No Go reception tests have been conducted as called for in the 5800MICRA transmitter section. (see page back.)
3. Drill a hole at the location marked for the transmitter (3/4" diameter, no more than 11/32" deep).
4. Install the battery (observe polarity), then insert the transmitter into the hole so that the cap is flush with the surface. Make sure the antenna goes into the cavity as straight as possible.

**DO NOT** hammer the transmitter in place with hard blows. Press it into the hole by hand.

The 5800MICRA uses a santaprene case that, once placed, is designed to self-seal in the mounting hole. However, if desired, a thin bead of silicon may be applied for additional moisture protection.

5. Remove the adhesive backing on the magnet and place magnet at marked location. Make sure magnet is placed in same orientation as transmitter.



**CAUTION:** BATTERY CAUTION: Risk of fire, explosion and burns. Do not recharge, disassemble, heat above 212°F (100°C) or incinerate. Dispose of used batteries promptly. Keep away from children.

Figure 2. SPECIFICATIONS

| 5800MICRA transmitters  |                   |   |
|---|-------------------|---|
| Dimensions  | Dowel Package     | 0.750" diameter (3/4")  |
|   | Additional Info   | Dowel Lid 0.850" diameter x 0.060" thick                              |
|   | Wire Antenna      | 8" x 1/8" flexible antenna  |
|   | Fits Cavity Depth | 0.330" depth (11/32")   |
| Power Source  |                   | 3.0V Lithium Coin Cell Battery CR1620                                 |
| Temperature Range   |                   | 10° to 120° F (-12° to 49° C)   |
| Operating Gap   |                   | 0.5"  |
| Compatibility   |                   |   |
|   | Windows           | All Vinyl Window Types, Wood Casement, Awning, Double-Hung and Access |
| FCC Notice  |                   |   |
| This device complies with FCC Rules part 15 and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: |                   |   |
| 1. This device may not cause harmful interference.  |                   |   |
| 2. This device must accept any interference that may be received, including interference that may cause undesired operation.                          |                   |   |
| The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions OR User Manual.              |                   |   |
| Unauthorized changes or modifications could void the user's authority to operate the equipment.   |                   |   |

## BATTERY INSTALLATION & REPLACEMENT

1. Remove the transmitter from the window by inserting the flat blade of a small screwdriver into the pry-slot on the cap end and twisting slightly counter-clockwise. The transmitter must be removed from the window completely in order to refit the transmitter properly back into the hole once the internal battery has been replaced.
2. Using the flat blade of a small screwdriver in the pry-slot again, separate the white cap from the base with a slight counter-clockwise twist. Once open, slide the cap with the transmitter PC board assembly apart from the base. Pull the antenna through the hole in the base just enough to allow the battery to be replaced. Do not pull the antenna completely out of the base.
3. Carefully remove the old battery from its battery holder on the bottom of the PC board.
4. Observe correct polarity (see Figure 3, Step 3 & 4) and insert the fresh battery into the battery holder (positive polarity indicator is shown on the battery holder).
5. Slide the cap with the PC board assembly back into its base by gently pulling on the antenna, easing the transmitter cap into place.
6. Snap the transmitter cap back onto the base, locking it into place.
7. Placing the antenna into the cavity first, reinsert the transmitter into its original mounting hole in the window. Be sure to install the transmitter in the same orientation as the accompanying sash-mounted magnet.



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