

# Honeywell

## ADEMCO 5815 DOOR/WINDOW TRANSMITTER

### INSTALLATION INSTRUCTIONS

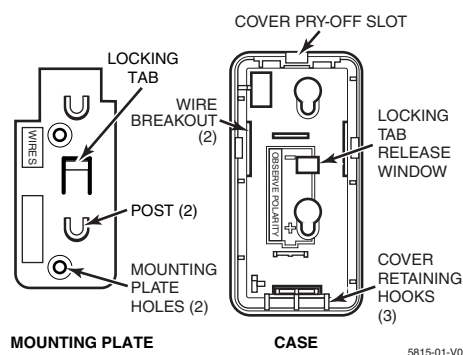


Figure 1. Mounting Plate and Case

#### GENERAL INFORMATION

The Honeywell Ademco 5815 is a two-zone Door/Window Transmitter that has its own unique serial number. The control unit is required to "enroll" the serial number prior to its usage in the alarm system. Refer to the control unit's installation instructions for further details. **Note:** During programming of the control unit, 5815 transmitters should be treated as "RF" (i.e., supervised RF) Type (*mandatory for UL installations*).

The 5815 provides two input loops (zones): the *first* for a wired closed-circuit contact loop, and the *second* for its built-in reed switch (used in conjunction with a magnet, as described below). One or both inputs may be used. *For UL installations, a contact may not be more than 3 feet from the transmitter.*

The 5815 includes a built-in cover tamper, which is activated when the cover is removed.

#### MOUNTING

*For proper orientation of the unit in relation to the mounting plate, loop wiring, and/or magnet, read all of this section before installing the unit.*

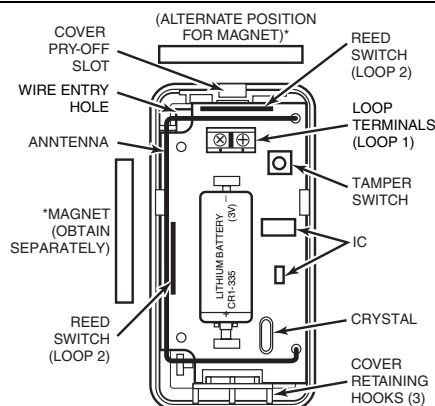
The description that follows assumes that the unit will be mounted as shown in the diagrams, with the magnet (if used) located in one of the positions shown in Figure 2. The unit may, however, be installed in *any* direction, as long as the relationship of the unit to its mounting plate and (if used) magnet is maintained.

Although the unit can be mounted directly to a surface, we recommend that the mounting plate be used, for ease in removing the unit for servicing should it become necessary.

*Before mounting the transmitter permanently, conduct Go/No Go tests (see control's instructions) to verify adequate signal strength and reorient or relocate the transmitter if necessary.*

1. Remove the transmitter's top cover by inserting the flat blade of a small screwdriver into the pry-off slot at one end of the unit (see Fig. 1 for location), and slightly twisting the blade until the cover disengages.

**IMPORTANT:** DO NOT REMOVE the circuit board from the back case plastic.



\* MAGNET MUST BE WITHIN 1/2" OF REED SWITCH

Figure 2. 5815 (shown without cover)

2. Disengage the attached mounting plate from the case by inserting the blade of a small screwdriver into the locking tab release window (see Figure 1) and pressing it against the locking tab (also shown in Figure 1), while sliding the mounting plate upward along the case back until free.
3. Install the mounting plate, with its two case-holding posts pointing up (in this example), in the location selected as described in the control panel's installation instructions. Use the flat-head screws supplied.
 

**Note:** If a wired contact loop is to be used, with *concealed* wiring, the wire exit hole in the wall must be located under the wire entry hole in the case as shown in Figure 2, and no more than 1/4" in diameter.
4. If a wired contact loop is to be used, feed *concealed* wiring through the slot in the case back, but do not connect to the terminal block yet. For *surface* wiring entry, two thin "breakout" areas are provided in the case wall (see Figure 1).
5. Attach the case back to the mounting plate by sliding the keyhole slots in the case back down onto the mounting plate's case holding posts. The locking tab will click as the case back locks in place.
6. If a reed switch is to be used, mount a No. 5899 Magnet (obtained separately) adjacent to the reed switch, or adjacent to the top of the case (see Figure 2). In either case, the magnet must be mounted within one-half inch of the reed switch.

#### LOOP WIRING CONNECTIONS (If used)

With the battery still not inserted, connect the contact loop wires to the unit's loop terminals (see Figure 2).

**Caution:** Make sure that the bared sections of the loop wires do not short to the reed switch or antenna.

*The contact loop must use closed-circuit devices. The loop response time is a nominal 100mSec.*

**NOTE:** If the contact loop is not to be used, no connection is needed across the loop terminals.

#### BATTERY INSTALLATION/REPLACEMENT

1. Remove the transmitter's cover (if it is not already off) as described in *MOUNTING* Step 1.
2. Observe correct polarity and insert the battery provided into the battery holder (see Fig. 2). Take care not to bend the antenna.

**NOTE:** Replace battery *only* with:  
Panasonic CR123A, Duracell DL123A, or  
ADEMCO 466.

3. To replace the cover, engage the hooks along one edge and snap shut.

#### SPECIFICATIONS

**Dimensions:** 1-1/2"W x 3"H x 7/8"D  
(38mm x 76mm x 22mm)

**Battery:** 3V Lithium (see *Note* in step 2 of *BATTERY INSTALLATION/REPLACEMENT*)

**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.

#### TO THE INSTALLER

Regular maintenance and inspection (at least annually) by the installer and frequent testing by the user are vital to 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.**

#### FCC / IC STATEMENT

This device complies with Part 15 of the FCC Rules and RSS210 of Industry Canada. 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.

#### FEDERAL COMMUNICATIONS COMMISSION STATEMENT:

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual.  
Unauthorized changes or modifications could void the user's authority to operate the equipment.

For the latest warranty information, please go to:  
<http://www.security.honeywell.com/hsc/resources/wa/index.html>

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