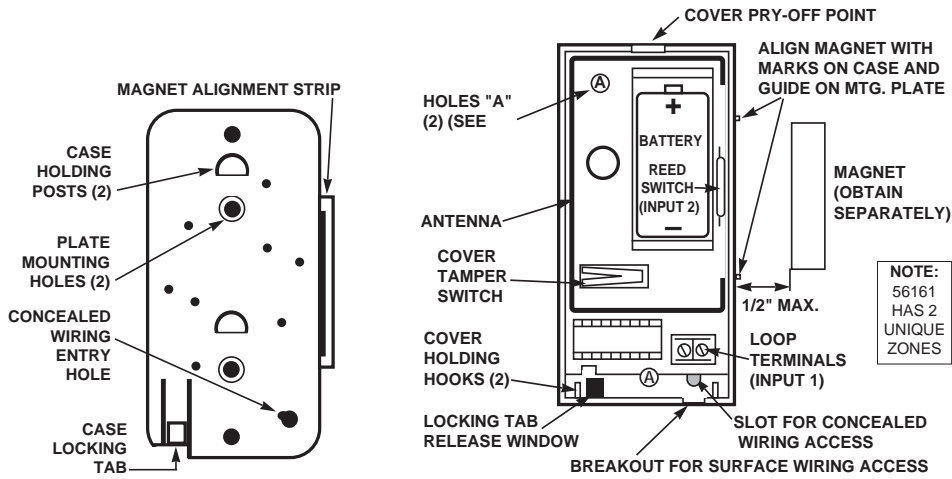


**ADEMCO**

**INSTALLATION  
INSTRUCTIONS**

**No. 5816  
Door/Window  
Transmitter**



**Diagram 1. Mounting Plate**

**Diagram 2. Transmitter, Cover Removed**

**GENERAL INFORMATION**

The No. 5816 Door/Window Transmitter has its own unique serial numbers permanently assigned during manufacture. The control unit is required to "learn" the transmitter serial Nos. at some point 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, 5816 transmitters should be treated as "RF" (i.e. supervised RF) Type (*mandatory for UL installations*).

The 5816 has *two* unique zones; the *first* is 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). Either or both zones may be used. *For UL installations, a contact may not be more than 3 feet from the transmitter.*

A built-in cover tamper switch is activated when the cover is removed.

**INSTALLATION**

**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 to the unit's right. 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 two holes are provided in the unit that would permit mounting directly to a surface (holes 'A' in Diagram 2), it is recommended 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 cover** by inserting the flat blade of a small screwdriver into the pry-off slot at the end of the unit farthest from the cover's decorative ribs, and twisting the blade.
2. **Disengage the supplied mounting plate from the unit** by inserting the blade of a small screwdriver into the locking tab release window (see Diagram 2) and pressing it against the locking tab (see Diagram 1) while sliding the plate downward along the case back.
3. **If a wired contact loop is to be used**, with *concealed* wiring, feed the wires through the concealed wiring entry hole at one corner of the mounting plate.   
*For surface wiring entry, a thin "breakout" area is provided in the case wall. Wiring can be run through this "breakout" in the case when attaching the case in step 5.*
4. **Install the mounting plate**, with its case holding posts pointing up (in this example), in the location selected as described in the control unit's installation instructions. Use the flat head screws supplied.
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 the unit's reed switch is to be used**, a No. 5799 Magnet (obtain separately) should be mounted adjacent to the alignment marks on the case and the mounting plate's alignment strip (see Diagram 2).

**Wiring Connections**

With the battery still not inserted, connect the contact loop (if used) to the unit's loop terminals (see diagram). *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 its terminals.*

(continued)

#### 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 Diagram 2).  
*Take care not to bend the antenna.*  
**Note:** Replace battery *only* with :  
Panasonic CR123A, Duracell DL123A,  
Sanyo CR123A, or Ademco 466.
3. **To replace the cover**, engage the hooks along one edge and snap shut.

#### SPECIFICATIONS

**Dimensions** 1-9/16"W x 3-1/16"H x 1-3/16"D  
(40mm x 78mm x 30mm)

**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.

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