

INSTALLATION INSTRUCTIONS

5816MN DOOR/WINDOW TRANSMITTER

For use with QED control panels ONLY!

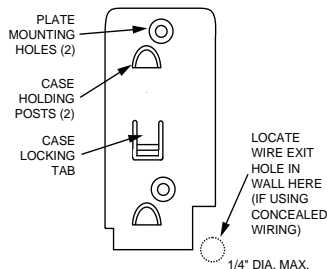


Figure 1. Mounting Plate

GENERAL INFORMATION

Each 5816MN Door/Window Transmitter has its own unique serial number permanently assigned during manufacture. The QED control unit is required to "enroll" the transmitter ID at some point prior to its usage in the alarm system. Refer to the QED control unit's installation instructions for further details. **Note:** During programming of the QED control unit, 5816MN transmitters should be treated as "RF" (i.e. supervised RF) Type (mandatory for UL installations).

The 5816MN can send two unique codes, 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). A wired loop and/or reed switch may be used. For UL installations, a contact may not be more than 3 feet from the transmitter.

The 5816MN 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, 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 QED 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 (see Fig. 2 for location), and twist the blade.
2. Disengage the supplied mounting plate from the unit by inserting the blade of a small screw-

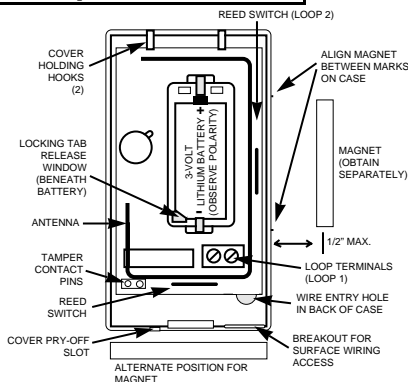


Figure 2. 5816MN (shown without cover)

driver into the locking tab release window (see Fig. 2) and pressing it against the locking tab (shown in Fig. 1), while sliding the plate downward along the case back.

3. Install the mounting plate, with its case holding posts pointing up (in this example), in the location selected as described in the QED control unit'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 should be in the location shown in Figure 1, 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, a thin "breakout" area is provided in the case wall (see Fig. 2 for location).
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 one of the reed switches in the unit is to be used, a No. 5899 Magnet (obtain separately) should be mounted adjacent to the alignment marks on the right side of the case, or adjacent to the bottom of the case (see Fig. 2).

LOOP WIRING CONNECTIONS (If used)

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

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

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.

(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 Fig. 2). *Take care not to bend the antenna.*

Note: Replace battery *only* with :
Panasonic CR123A, Duracell DL123A,
Sanyo CR123A, Varta CR123A, or
ADEMCO 466.

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

SPECIFICATIONS

Dimensions: 1-1/2"W x 3-1/16"H x 15/16"D
(38mm x 78mm x 24mm)

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 QED RECEIVER/CONTROL WITH WHICH THIS DEVICE IS USED, FOR DETAILS REGARDING LIMITATIONS OF THE ENTIRE ALARM SYSTEM.

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