

**PRELIMINARY**  
6/26/03..tp  
updated 2/05/04

K9485 02/04 Rev A

# ADEMCO 5818MN

## Recessed Door Transmitter

### INSTALLATION AND SETUP GUIDE

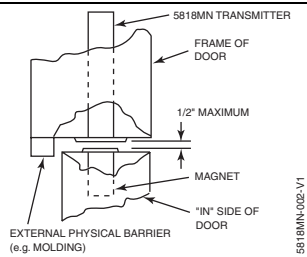


Figure 1: Door Installation

#### GENERAL INFORMATION

The ADEMCO 5818MN Recessed Door Transmitter is a reed switch, magnetic contact sensor that provides concealed protection for a door. It is intended for use only with alarm systems that support 5800 series devices.

The transmitter is powered by an AAA Alkaline battery that is easily replaced when a low battery condition is indicated by the control panel.

#### PROGRAMMING THE ID NUMBER

Each 5818MN has its own unique identification code (serial number) permanently assigned during manufacture.

The control panel is required to "enroll" the transmitter's ID during installation of the alarm system.

**Note:** During programming of the control panel, 5818MN transmitters must be enrolled as an "RF" (i.e., supervised RF) Type 3, Loop 1 (*mandatory for UL installations*).

The 5818MN is a single zone transmitter.

#### PRELIMINARY

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

1. Select a location for the transmitter on the frame of the door (never on the *hinged* edge) to be protected.

- Do not use on metal frame doors.

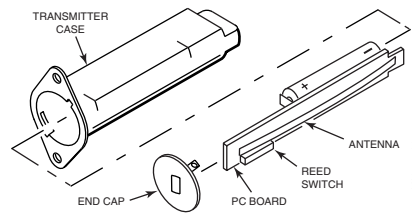


Figure 2: Battery/Transmitter Assembly

- The transmitter will require a 3/4" diameter hole in the edge of the frame, at least 3" deep. Its magnet will need a 3/8" diameter hole in the edge of the door at least 1/2" deep. **BEFORE DRILLING ANY HOLES, SEE STEP 2 BELOW AND MOUNTING ON THE NEXT PAGE.**
  - The preferred direction of mounting is vertical, although the 5818MN may be mounted in *any* direction if satisfactory reception of its transmissions is obtained.
  - A physical barrier (e.g., a molding strip on the door frame) should be present to protect against defeat of the contact from outside the premises.
2. Before drilling any holes, tape the transmitter and magnet in their approximate locations (with battery installed and unit together as described under BATTERYINSTALLATION/REPLACEMENT (below) and conduct Go/No Go tests (refer to control panel's instructions) to verify adequate signal strength. Reorient or relocate transmitter if necessary.
    - Make sure that **no more than 1/2" gap** exists between the faces of the transmitter and magnet cases when they are installed and set.
    - When installed, an alarm signal must be obtained **before a separation of 2"** is reached as the door is opened.

## MOUNTING

1. **Mark the selected location for the transmitter** on the frame of the door.
2. **Mark the location for the magnet** on the door, directly opposite the transmitter location.

**Caution: Before drilling any holes**, make sure that successful Go/No Go transmission/reception tests have been conducted as called for in step 2 of the *PRELIMINARY* section on the first page.

3. **Drill holes at the locations marked**, for the transmitter (3/4" diameter, at least 3" deep) and magnet 3/8" diameter, at least 1/2" deep).
4. **Insert the transmitter and magnet cases** into their respective holes, so that their ends are flush with the surface.
  - DO **NOT** hammer in place with hard blows. If necessary, tap *gently* with a rubber mallet or wood block.
  - The transmitter case **may be** secured by two #4 flat head, self-tapping screws via the holes in its mounting flanges, or the flanges can be snapped off by scoring around them first with a sharp knife.
  - If necessary, either case may be secured with a suitable adhesive.

**NOTE: A closure plug is supplied** to cover an empty transmitter hole if it becomes necessary to relocate the transmitter.

## BATTERY INSTALLATION/REPLACEMENT

1. **Remove the transmitter's end cap** by inserting the flat blade of a screwdriver in the cap's slot and turning slightly counterclockwise.
2. **Slide the transmitter PCB assembly** out of its case, *taking care not to bend the antenna during this step or later.*
3. **Remove the old battery**, if replacing it.
4. **Observe correct polarity** and insert the fresh battery into the battery holder (position the battery as shown in Figure 2).
5. **Slide the PCB assembly** back into its case, battery end first (*the reed switch end must be close to the end cap*).
6. **Replace the end cap.** Line up the projections on the cap with the openings at the edge of the case. Press the cap gently against the PCB and turn the cap (via its slot) slightly clockwise, thereby locking it in place.

## SPECIFICATIONS

**Dimensions:** ..... 3.0" H x 0.66" W x 0.8" D  
(76.2mm) x (14.0mm) x (20.3mm)

**Gap (xmtr to magnet):** .....0.5" (12.7mm) max

**Operating temperature:** ..... 0 - 50° C, non-condensing

**Battery:** ..... 1.5VDC, AAA, Alkaline  
(Duracell MX2400, Panasonic AM-4PI,  
Eveready Energizer EN92)

### FCC STATEMENT FCC ID: CFS8DL5818MN

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. CANADA: 1748A5818MN

**FOR WARRANTY INFORMATION AND LIMITATIONS OF THE ENTIRE ALARM SYSTEM, REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL WITH WHICH THIS DEVICE IS USED.**

# Honeywell



K9485 2/04 Rev A

165 Eileen Way, Syosset, NY 11791

Copyright © 2004 Honeywell International Inc.  
www.security.honeywell.com