



No. 5816TEMP LOW TEMPERATURE TRANSMITTER

INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

The No. 5816TEMP Low Temperature Transmitter contains a low temperature detector that transmits a message (alarm or trouble depending on the installer's programming entry) to a 5800 wireless receiver that is connected to a control panel. The message is sent when the Temperature Sensor thermostat temperature reaches $+45^{\circ}\text{F} \pm 5^{\circ}\text{F}$ ($+4^{\circ}\text{C} \pm 3^{\circ}\text{C}$). The device resets after a temperature rise of about 9°F (5°C) for 5 minutes. At that time, a restore message is sent to the receiver and the control panel.

LEARNING THE TRANSMITTER SERIAL NUMBER

Each 5816TEMP is permanently assigned its own serial number. The control panel is required to "learn" the transmitter's serial number prior to the transmitter's usage.

Refer to the control panel's Installation Instructions for general information on the "learning" procedure. The information given herein is specific to the 5816TEMP.

1. **Place a battery in the battery holder**, as described later in **BATTERY INSTALLATION/REPLACEMENT** and as shown in Diagram 2. Observe polarity!
2. **While in the learning serial number program mode**, as described in the control panel's instructions, activate the temperature sensor by bringing a magnet close (parallel) to the sensor and removing it (do this twice to send two consecutive transmissions). This is depicted in Diagram 2 (Exploded View).

NOTE: The polarity of the magnet must be correct; if the device does not appear to be transmitting, reverse the magnet's direction.

MOUNTING

For proper orientation of the unit in relation to its wall mounting plate and the loop wiring, read all of this section before installing the unit.

Installing within close proximity to iron, steel and magnetic materials will affect the activation temperature. Do not mount the unit within 1 ft. of these types of materials.

The description that follows assumes that the unit will be mounted as shown in the diagrams. The unit may, however, be installed in *any* direction, as long as the relationship of the unit to its mounting plate 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, as described below, 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. When a satisfactory location is found, remove the battery and proceed with installation.

1. **Disengage the supplied wall mounting plate** from the unit by inserting the blade of a small screwdriver into the locking tab release window (Diag. 2) and pressing it against the locking tab (Diag. 1) while sliding the plate downward along the case back.
2. **Install the mounting plate**, with its case holding posts pointing up, in the location selected as described in the control panel's Installation Instructions. Use the screws supplied. The word TOP is molded along the upper edge of the plate.
3. **Remove the transmitter's cover** by inserting the flat blade of a small screwdriver into the closed pry-off slot at the end of the unit farthest from the cover's decorative ribs, and twisting the blade.
4. **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.
5. **Install the battery** as described in **BATTERY INSTALLATION** procedure on the next page.
6. **Replace unit's cover** by engaging the case holding posts along the edge and snap shut.

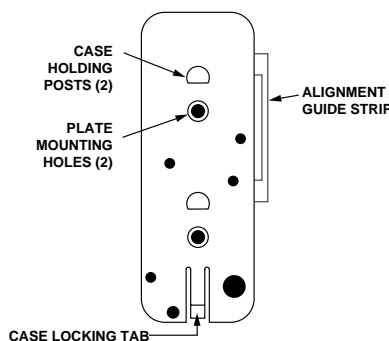


Diagram 1: MOUNTING PLATE

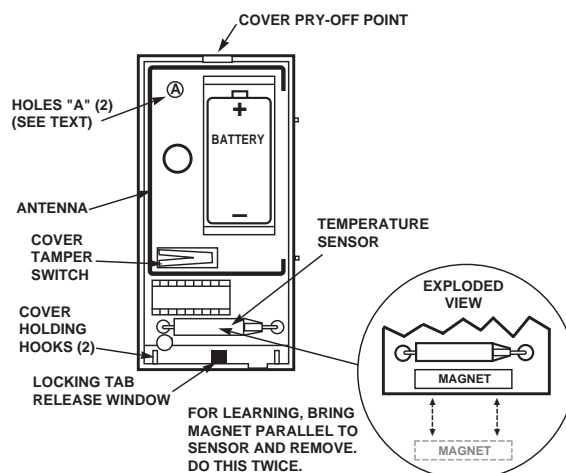


Diagram 2: No. 5816TEMP (Shown With Cover Removed)

BATTERY INSTALLATION/ REPLACEMENT

1. **Remove the transmitter's cover** (if not already off) as described in Mounting Step 3.
2. **Observe polarity and insert the battery** provided into the battery holder (see Diagram 2).
Do not bend the antenna.
Note: Replace only with: Duracell DL 123A, Sanyo CR123A, Panasonic CR123A, or Ademco 466.
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.
3. **To replace the cover**, engage the case holding posts along one edge and snap shut.

SPECIFICATIONS

Dimensions: 1-9/16"W x 3-1/2"H x 1-3/16"D (40mm x 89mm x 30mm)
Battery: 3V Lithium (Duracell DL123A, Sanyo CR123A, Panasonic CR123A, or Ademco 466).

TEMPERATURE

The thermostat activation temperature is + 45°F ± 5°F (+4°C ± 3°C). The device resets after a temperature rise of about 9°F (5°C) for 5 minutes.

NOTE: The device may be reset manually using a magnet after a 4°F (2°C) rise; magnet polarity must be properly aligned.

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 proper operation at all times.

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

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