

# 5817XT THREE-POINT UNIVERSAL TRANSMITTER – Installation and Setup Guide

## GENERAL INFORMATION

The 5817XT Three-Point Universal Transmitter provides up to three connections for contact loops. Each loop transmits a unique serial number to a 5800 wireless system receiver connected to the system control panel. The Primary Loop's connection requirements, response and transmission characteristics are set via DIP switch. (See table.)

## SPECIFICATIONS

<b>Dimensions</b>	Length 3.5" (89mm)	<b>Tamper Detection</b>	Activates when cover removed	
	Width 1.6" (40mm)		<b>Enrollment Type</b>	Supervised RF ( <i>Mandatory in UL installations</i> )
	Depth 1.2" (30mm)			
<b>Battery Type</b>	Lithium 3V, supplied. Replace with only:	<b>Contact Loops (3)</b>	Primary loop: DIP switch selectable options Response time 320mSec – 5mSec, approx.	
	Duracell DL 123		Aux loops: Closed circuit Response time 320mSec, approx.	
	Duracell DL123A		In UL installations, a contact must be installed within 3' of the transmitter, <i>with no intervening walls or barriers.</i>	
	Panasonic CR123A			
	ADEMCO 466			

## 1 Installation

### Guidelines

This device is for professional installation only.

- In Residential Fire installations, 5817XT may be connected to *only one* initiating device. In Residential Burglar Alarm installations, the transmitter may be connected to multiple initiating devices, *only if all of these devices serve the same function* (i.e., all devices are door contacts or all are window contacts).
- Use of the **included mounting plate** is strongly recommended for ease of removal if the transmitter requires servicing. Holes in the transmitter's rear case allow mounting directly to a surface. Holes are labeled "A", located top and bottom left in Figure 2.
- BEFORE separating the transmitter from the mounting plate, look at the concealed wiring entry next to the locking tab on the mounting plate. Note that the opening aligns with the concealed wiring access slot on the transmitter's rear case.
- Perform the Go/No Go test to determine the position for best signal strength BEFORE mounting the transmitter permanently (see control panel instructions). Verify best signal strength and reorient or relocate the transmitter as needed.
- REMOVE the battery from the transmitter after finding the best location.

### Enrolling the transmitter in the control panel

See the control panel's instructions for more information.

- Make sure all DIP switch positions are OFF during enrollment in the control panel.
- Make sure to enroll the 5817XT as input type "RF" (Supervised RF).

### Mounting and Wiring

- Remove the transmitter's top cover.** Insert a small flat-blade screwdriver into the cover pry-off slot seen in Figure 2. Twist the blade gently until the cover disengages.
- Disengage the mounting plate from the transmitter's rear case.** Insert a small flat-blade screwdriver into the locking tab release window and press it against the locking tab, while sliding the mounting plate until free. See Figures 1 and 2.
- Install the mounting plate** at the transmitter's planned location (optional). Use the flat-head screws supplied.
- Route the wires**
  - Concealed wiring:** Align the device's concealed wiring entry with the wire exit in the wall. Wire exit should not exceed 0.25" diameter.
  - Wired contact loop:** Feed concealed wiring through the entry openings, but do not connect the wire to the loop terminals yet.
  - Surface wiring entry:** Use breakout slots on long sides of case.
- Attach the case to the mounting plate. Press the case against the mounting plate and slide until the locking tab clicks into place.
- Connect loop wiring to the transmitter's loop terminals, shown in Figure 2.

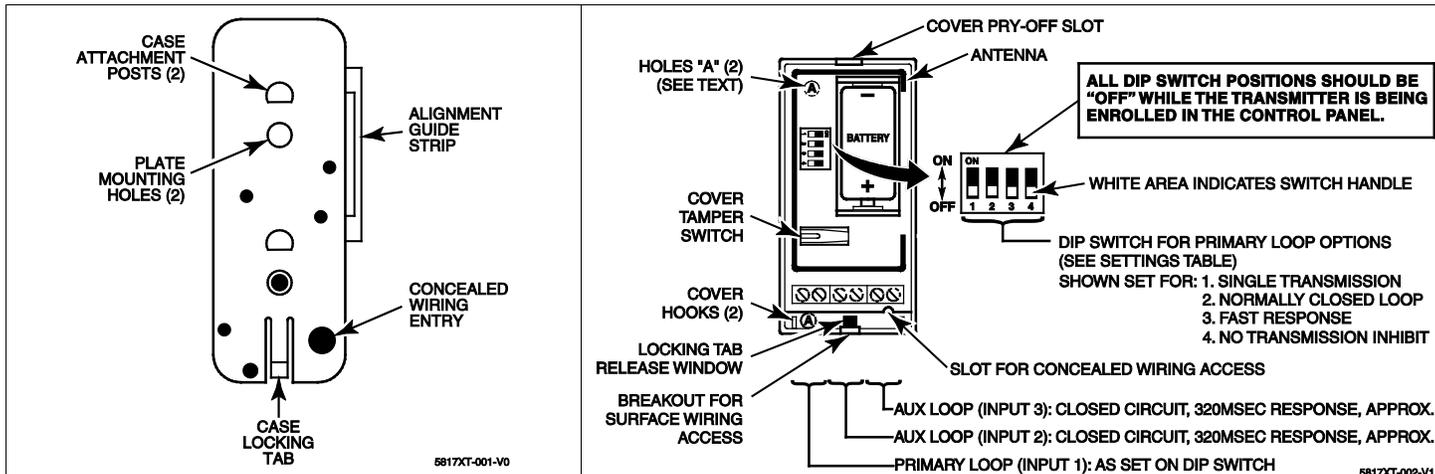


Figure 1: Mounting Plate

Figure 2: 5817XT, seen with front cover removed.

## 2 DIP Switch Settings

After enrollment in the control panel, set the DIP switch for the desired primary loop characteristics, as described in the table at right.

### Notes

- DIP switches may be set by a professional installer only. They may not be changed by the end user.
- Due to FCC regulation 15.231(a)(4), DIP switch position 1 may not be set to ON unless Loop 1 is used to indicate a type of emergency involving fire, security or safety of life.
- Except in the case of the position 4 ON setting, the Auxiliary loops are not affected by the DIP switch settings.
- For UL installations with fire zones, the position 4 ON setting must *not* be used.

**IMPORTANT:** The 5817XT transmitter **resets** when a DIP switch is changed. This can take up to one minute.

SWITCH SETTING	PRIMARY LOOP OPTIONS – DIP SWITCH POSITIONS			
	1	2	3	4
<b>ON</b>	<b>REPEATING TRANSMISSION (every 4 sec.)</b> Upon primary loop fault For high-priority alarm, such as fire.	<b>N.O. CIRCUIT PRIMARY LOOP</b>	<b>NORMAL PRIMARY LOOP RESPONSE</b> (Approx. 320mSec response time)	<b>3 MINUTE, ALL LOOP TRANSMISSION INHIBIT</b> After restore of primary loop. <i>See note d.</i> This affects all Aux. loops. Use on often-used doors, etc. to conserve battery.
<b>OFF</b>	<b>SINGLE TRANSMISSION</b> Per primary loop Change-of-State	<b>N.C. CIRCUIT PRIMARY LOOP</b>	<b>FAST PRIMARY LOOP RESPONSE</b> (Approx. 5mSec response time)	<b>NO TRANSMISSION INHIBIT</b>

## 3 Battery Installation / Replacement

- Remove the transmitter's cover if it is still in place. See Step 1 under Mounting and Wiring.
- Observe correct polarity and insert the battery into the battery holder (see Figure 2).
- To replace the cover, engage the hooks on either side of the locking tab release, and snap shut.

**ENROLLMENT NOTE:** Wait 30 seconds after battery installation before enrolling the transmitter.

Replace the battery with **only** Duracell DL 123, Duracell DL123A, Panasonic CR123A or ADEMCO 466.

### 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.

### IMPORTANT:

The 5817XT Transmitter **should be tested at least once per week** to ensure proper operation.

### FEDERAL COMMUNICATIONS COMMISSION STATEMENTS

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. Equipment should be installed in accordance with Chapter 2 of ANSI/NFPA 72.

### CLASS B DIGITAL DEVICE STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

### INDUSTRY CANADA CLASS B STATEMENT

This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### 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.

Cet appareil est conforme à la partie 15 des règles de la FCC & de RSS 210 des Industries Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

For **limitations of the entire alarm system**, refer to the installation instructions for the control panel with which this device is used.

**WARRANTY** Go to: <http://www.security.honeywell.com/hsc/resources/wa/>

**DOCUMENTATION AND ONLINE SUPPORT** Go to: <http://www.security.honeywell.com/hsc/resources/MyWebTech/>

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