

AT&T PASSIVE INFRARED TRANSMITTER (Model 8561)

IMPORTANT INSTALLATION CONSIDERATIONS

Placement of the unit determines the detection pattern. (Slight adjustments may be made by angling the unit on the wall.) The PIRT may be mounted flat or in a corner. The unit should be mounted 7'6" from the floor to obtain the optimum range of detection (4' with the pet exclusion lens). Allow at least two inches between the unit and the ceiling to permit servicing. To ensure maximum protection these precautions should be observed:

AVOID DIRECT SUNLIGHT. The unit should not be placed where strong sunlight will strike directly on the face of the detector. (Indirect light shining through windows will not trigger alarm.)

AVOID HOT AND COLD AIR CURRENTS. Mount the unit at least three feet from strong forced air heaters, air conditioners, or sources of drafts such as doors.

CHOOSE A LOCATION WITH SUFFICIENT TEMPERATURE DIFFERENCE. The PIRT detects best in a location which maximizes the differences between the background temperature and the temperature of an intruder. Do not mount the unit where the temperature is between 85-90°F.

CHOOSE A LOCATION AT RIGHT ANGLES TO AN INTRUDER'S PATH. The PIRT has optimal detection when placed so that an intruder's path takes him directly across the detection beams.

AVOID LARGE OBJECTS. Place the unit so that no large objects obstruct the beams

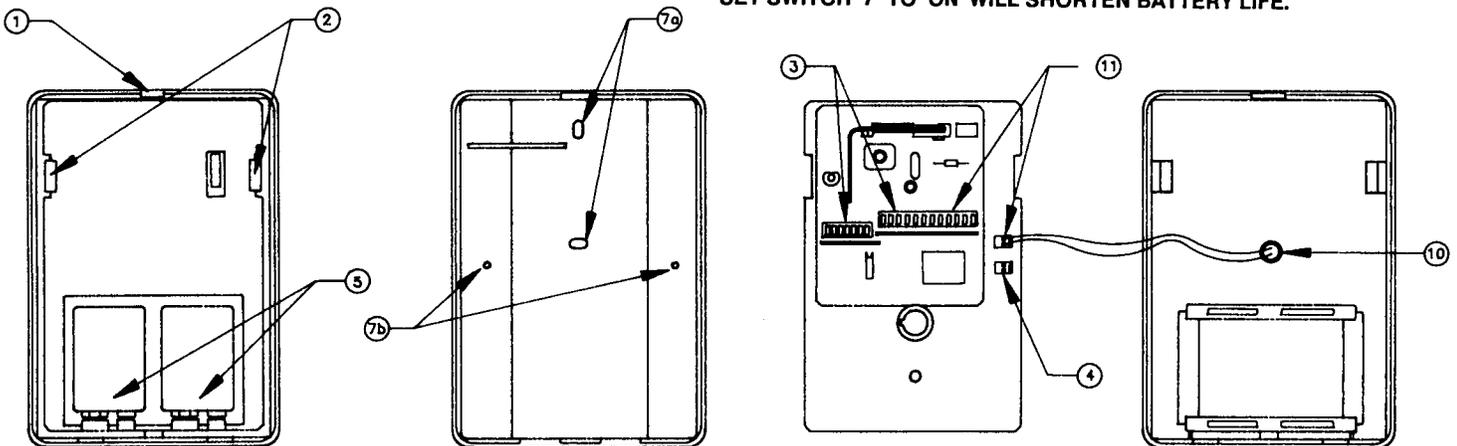
CHOOSE THE RIGHT LENS. Use the wide angle lens for large coverage area. Use the curtain lens for a longer narrower coverage. Use the pet exclusion lens for areas where the intermediate, lower and down protection pattern zones are not desired. The PIRT is shipped with the wide angle lens installed. If the curtain lens (or the pet exclusion lens) are needed, use the following procedure to change the lens:

- (1) Remove the transmitter backplate by pressing down on the release tab and pivoting the plate off its bottom hinges.
- (2) Press out the tabs inside the housing and carefully lift the circuit board free of the cover.
- (3) Press outward on the vertical supports which hold the lens bracket.
- (4) Remove the lens bracket and the wide angle lens.
- (5) FOR PET EXCLUSION ONLY. Peel away the backing from the mask and attach to the inside of the lookdown window.
- (6) Place the desired lens under the top and bottom tabs.
- (7) Replace the lens bracket carefully to avoid scratching the lens.

INSTALLATION PROCEDURE

1. Remove the transmitter backplate by pressing down on the release tab and pivoting the plate off its bottom hinges (see #1 in the illustration below).
2. Press out the tabs inside the housing and carefully lift the circuit board free of the cover (see #2 in the illustration below).
3. Be sure that the house code, transmitter ID code, and option DIP switch settings have been made (see #3 in the illustration below). Set option switch '7' to OFF to enable the walk test. (Be sure to reset the switch to ON when the walk test is complete.)
4. Connect the LED connector to the two-pronged walk test post labeled ACTIVE (see #4 in illustration below). The walk test LED wire is connected to the 'PARK' post for normal operation. Replace the circuit board in the cover.
5. Install two Duracell MN 1604 or Eveready 522 9-volt alkaline batteries (see #5 in the illustration below).
6. Test the RF link by placing the transmitter with double sticky tape where you plan to permanently install it. Move your hand slowly in front of the unit until the walk test LED comes on. Check the link as instructed.
7. Mount the transmitter backplate using #6 screws (not provided) in the mounting holes marked by #7a in the illustration below. For a corner mount use the mounting guides on the angled sides of the backplate (see #7b in the illustration below).
8. Install the housing onto the backplate and allow the unit several minutes to stabilize.
9. To test, walk in several different paths across the detection area. The red walk test LED should light, indicating an alarm condition. Slight changes in the coverage pattern can be made by tilting the unit on the wall.
10. To test for interference, stand out of the range of the detector zones and be sure that no alarm signal is being received by the Central Controller. You may also stand still within the detection area; the LED should not light after the initial alarm signaling your entry into the area (see #10 in the illustration below).
11. When the walk test is complete, disconnect the LED connector from the walk test receptor and reconnect it to the 'PARK' post. Set option switch '7' to ON (see #11 in the illustration below).

NOTE: FAILURE TO DISABLE THE WALK TEST LED AND TO SET SWITCH '7' TO 'ON' WILL SHORTEN BATTERY LIFE.



TECHNICAL SPECIFICATIONS

Physical Specifications

Size: 4.8" x 2.9" x 2.6"
 Weight: 10 ounces with batteries
 (included)

Protection Zones

See protection patterns below.

Environmental Specifications

Temperature Range: 40°F to 120°F
 NOTE: Although the temperature range for the Passive Infrared Transmitter is 40°F

to 120°F, the unit's capability to detect is severely limited when the background temperature and the intruder's temperature are about the same. This means the unit will not typically function well between 95-100°F.

Humidity Range: 0 to 95%
 Noncondensing

Power Supply

Two 9-volt alkaline batteries (Duracell MN 1604 or Eveready 522)

One year normal life
 Automatic battery testing and reporting

Radio Transmitter

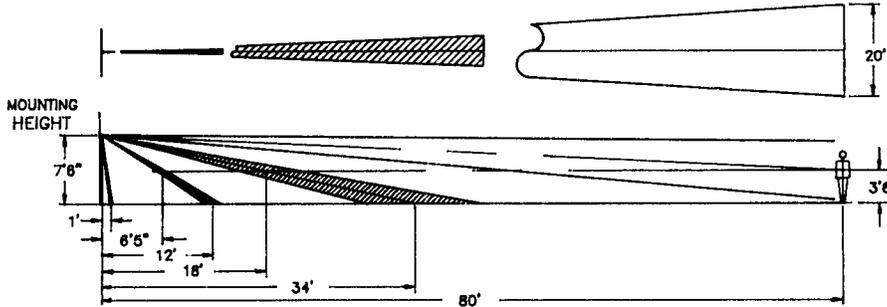
Radio Frequency Band: 40.66 MHz to 40.70 MHz
 FCC Certification Per Part 15E
 300' open field range with worse case orientation

Stabilization Time On Power Up

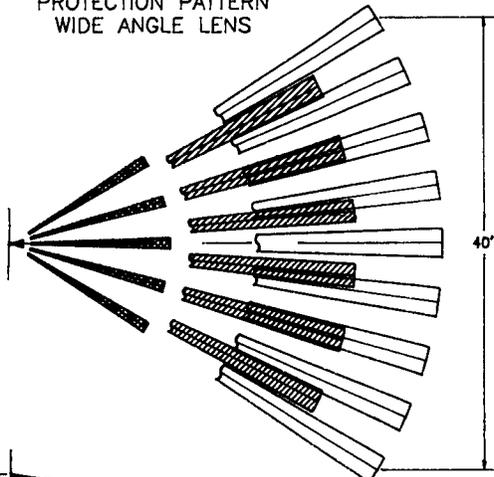
One minute

UL Listed

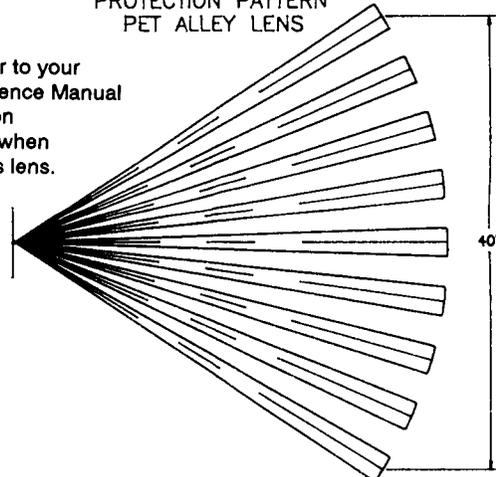
PROTECTION PATTERN
 NARROW BARRIER CURTAIN LENS



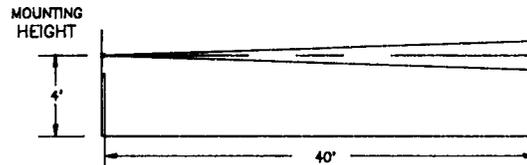
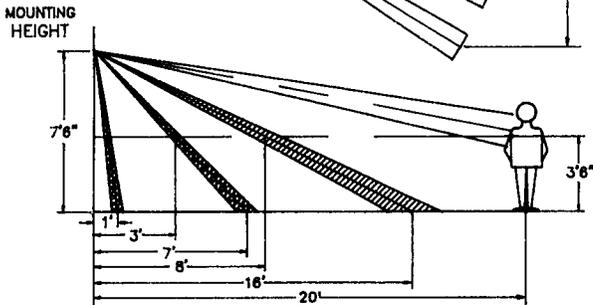
PROTECTION PATTERN
 WIDE ANGLE LENS



PROTECTION PATTERN
 PET ALLEY LENS



NOTE: Refer to your Dealer Reference Manual for Installation Precautions when installing this lens.



FRONT VIEW

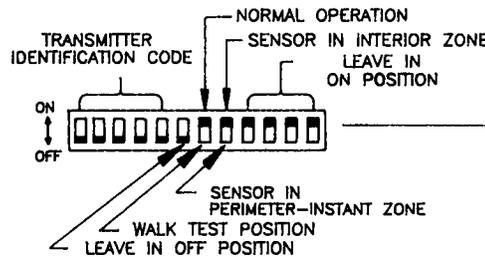
BACK OF UNIT, BASE REMOVED

CIRCUIT BOARD REMOVED FROM FRONT HOUSING

WALK TEST LED

TAMPER SWITCH

WALK TEST LED PLUG



LENS

9 VOLT BATTERIES

PARK POST
 ACTIVE POST (WALK TEST)

LENS BRACKET