

EXHIBIT 5

Installation and Operating Instructions

Para. 2.1033(b)(3)



Retlif Testing Laboratories

Test Report No. R-7457-1
FCC ID: EVS-0407-1

Installation Instructions for the RF3401 Wireless (RF) Point Transmitter

1.0 GENERAL INFORMATION

The RF3401 Point Transmitter is a UL Listed, magnetic and dry contact wireless transmitter used for monitoring doors, windows or other dry contact devices.

The unit is equipped with an internal reed contact for use with an external magnet assembly, a cover tamper switch and RF supervision. The RF3401 also has the capability to accept a supervised dry contact input from an external device.

Supervision is provided by transmitting a low power level signal to the receiver every 70 minutes if there is no other activity. All transmissions from the RF3401 send battery status information to the panel.

2.0 SPECIFICATIONS

- **Description:** RF3401 Wireless Point Transmitter.
- **Dimensions:**
 - **Transmitter w/o Mounting Plate:** 3.25 w x 1.4 h x .75 d (76.5 x 35 x 19 mm)
 - **Mounting Plate:** 3.25 w x 1.4 h x .125 d (76.5 x 35 x 3.2 mm)
- **Operating Temperature:** -20° to +150°F (-29 to +65°C). 0 to 95% relative humidity (non-condensing. +32° to +120°F (0° to +49° C) for UL Certificated Installations.
- **Operating Voltage:** Supplied by a 3 VDC lithium battery.
- **Battery Life:** A minimum of 5 years under normal operating conditions with the recommended battery types.
- **Recommended Battery Types:** Duracell DL123A, Energizer EL123AP, or Panasonic CR123A.
- **Compatible Control Panels:** DS7400Xi Version 3+ Control/Communicator with software version 3.07 or above.
- **Compatible Receivers:** RF3200 Series Multiplex Bus receivers and Repeaters.
- **Options:** Magnet-RF-10 Assembly*
*Supplied in packages of 10

3.0 MOUNTING THE POINT TRANSMITTER



IMPORTANT

The maximum range of the Point Transmitter, in open air, is approximately 1000 feet (300 m). In normal household or commercial applications it is recommended that the Point Transmitter be kept within 100 feet (30 m) of the RF3222 receivers.



IMPORTANT

Avoid mounting the Point Transmitter on metal surfaces as it may reduce the range of the unit. Placing the Point Transmitter on ferrous metal (iron or steel) surfaces may affect the operation of the magnetic contact.

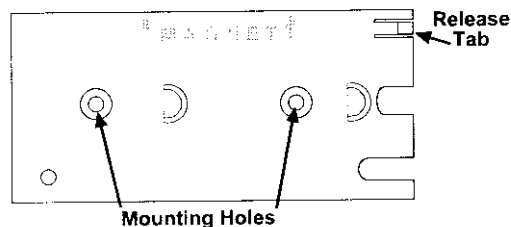


IMPORTANT

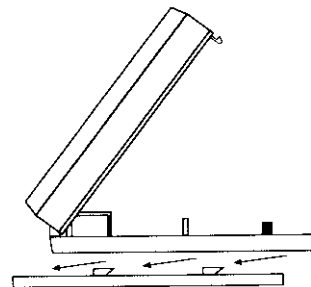
Recommended Mounting

It is recommended that the Point Transmitter be mounted on the door or window frame and that the magnet assembly be mounted on the door or window.

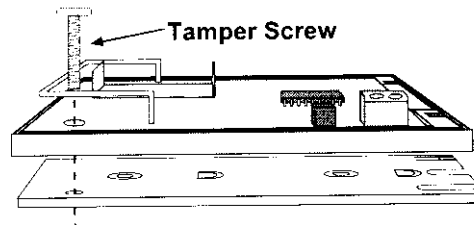
- Position the Mounting Plate over the desired location and attach with the supplied screws.



- Be sure to note the location of the magnet when mounting the base.
- Slide the Point Transmitter over the base to lock it into place as shown below:

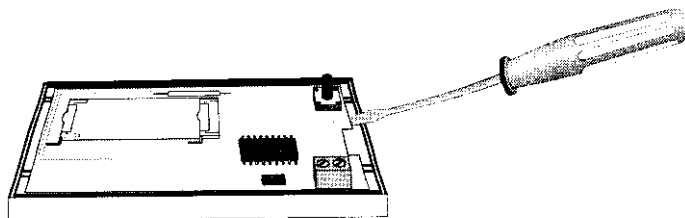


- The Point Transmitter may be released from the base by pressing the Release Tab with a small screwdriver or a paper clip.
- For UL Certificated Installations, mount the transmitter using the provided Tamper Screw.



Mounting without the Mounting Plate

- If the battery was installed in the Point Transmitter, remove it at this time.
- Using a small screwdriver, gently lift the printed circuit board away from the case mounting clips. You do not need to remove the cover to remove the board.



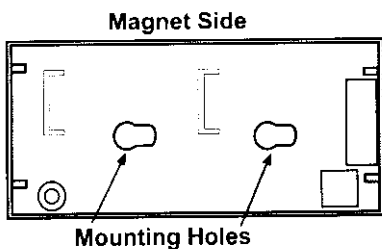
- Rock the board gently to loosen the battery clips from the case and to slide the board away from the mounting clips near the area where the cover connects to the base.



Detection Systems, Inc., 130 Perinton Parkway,
Fairport, New York, USA 14450-9199
(716) 223-4060 • (800) 289-0096 • Fax: (716) 223-9180

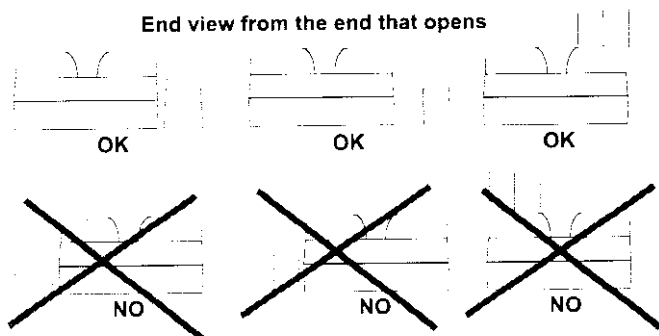
4/98
Copyright © 1998 Detection Systems, Inc.
RF3401 Installation Guide P/N 36259A

- Mount the Point Transmitter in the desired location taking note that the magnet will need to be on the same side of the case as the reed switch.



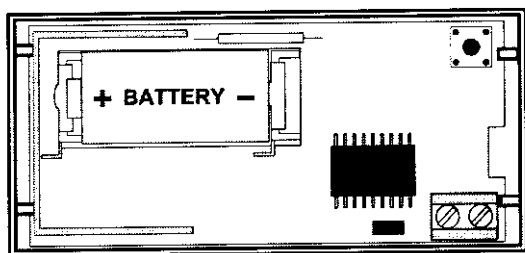
Mounting the magnet

- Mount the magnet as shown below. The magnet must mount within 3/4" (19 mm) of the base of the unit.



4.0 INSTALL THE BATTERY

- Install the recommended type Duracell DL123A, Energizer EL123AP or Panasonic CR123A battery. Be sure to observe the polarity.



5.0 SETTING UP MAGNETIC OR EXTERNAL CONTACTS

The RF3401 has the capacity to monitor magnetic or dry external contacts. **External Normally Closed (NC)** or **External Normally Open (NO)** contacts may be monitored.



IMPORTANT

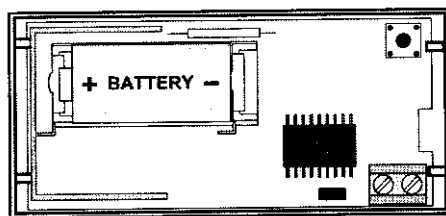
If using the RF3222 Receiver, the RF3401 can not monitor both magnetic and external contacts at the same time. Remove the reed switch if external contacts are monitored.

The contact input is **Supervised**, using a 2.21kΩ End-Of-Line (EOL) resistor. The total wire length for the external wiring cannot exceed 50 feet (15 m).

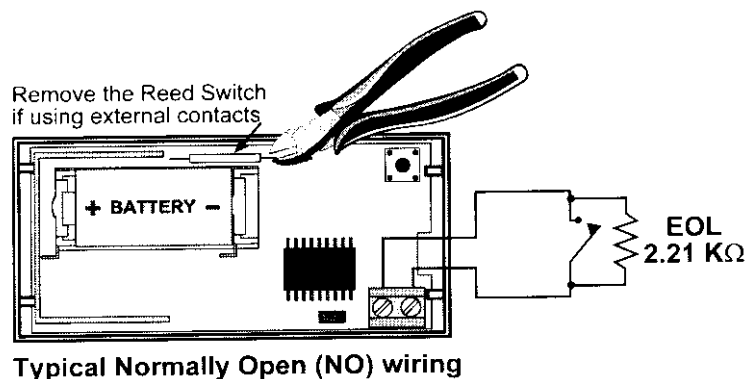
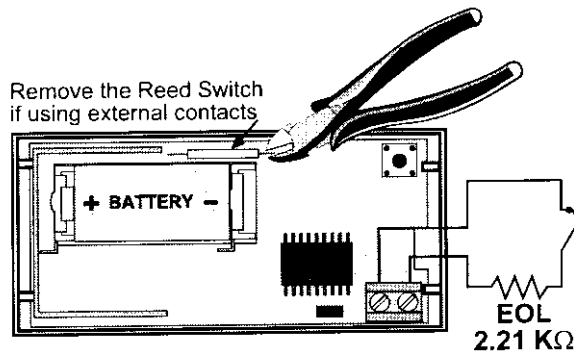


IMPORTANT

Do not place an EOL across the external contact terminals if an external contact is not used.

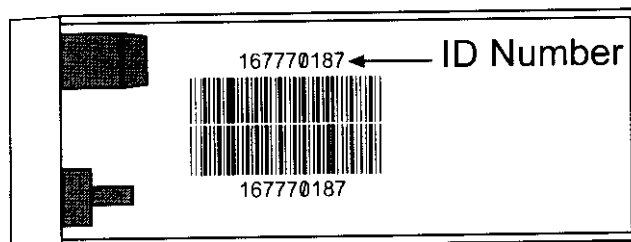


Do not install the EOL when using the magnetic contact



6.0 PROGRAMMING THE DS7400Xi Control/Communicator

There is a two part ID sticker located inside the cover of the RF3401. You will need the number off this sticker to program this device into the system.



See your DS7400Xi Wireless Reference Guide for programming information for wireless type devices.

FCC COMPLIANCE NOTICE:

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry and Science 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 undesirable operation.

Changes or modifications not expressly approved by Detection Systems, Inc. can void the users authority to operate the equipment.