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GEM-RTRANS Recessed Window/Door Transmitter INSTALLATION INSTRUCTIONS

WI1141B.aLF 7/23

GENERAL DESCRIPTION

The GEM-RTRANS is a recessed window/door transmitter designed for use in Napco GEM-series wireless systems. When used with the supplied magnet, the transmitter functions as a window/door sensor.

The GEM-RTRANS is powered by a 3-volt lithium battery, which will power the transmitter for up to 5 years. When battery voltage drops below normal, a low-battery report will be sent to the receiver (replace battery with a Duracell DL123A, Varta/Power-One CR123A or Panasonic CR123A only).

Each transmitter has a unique factory-programmed code (printed on the board and also on the transmitter tube) that distinguishes itself to the receiver. (Note: See control-panel instructions for entering this six-digit hexadecimal code and its checksum digit into the panel; be sure to enter all numbers and/or letters, including leading zeros, if any).

INSTALLATION

Note: The transmitter and magnet may be mounted in any position with no degradation in performance.

1. Remove the Tube Cap. Insert either a flat-blade screwdriver or needle-nose pliers into appropriate slots in Tube Cap (see Fig. 2). Turn counter-clockwise slightly until locking tabs in Tube Cap release the Cap. Tube Cap will drop free.
2. Insert the battery into PC Board. Observe battery polarity. Insert battery with positive (+) terminal toward the board. See Fig. 3. The battery will not make contact if inserted backwards.
3. Choose a location for the transmitter. Avoid mounting the transmitter near the floor. Low level mounting can reduce transmission range and may subject the transmitter to damage. Typical locations include above the door sill and in the door frame adjacent to the doorknob strike plate.
4. Drill a 7/8" x 6" hole for the Transmitter Tube. **Caution: When drilling hole there may be high voltage wiring in wall.** If a hole is drilled in error, the Hole Plug can be used to fill hole.
5. Insert Transmitter Tube in wall. Gently tap in with a hammer if necessary.
6. Secure Transmitter Tube in wall. Use calking or screws provided. If you use screws, insert into holes in flange tabs and secure. If no screws are needed, and tube is securely in place, the two flange tabs can be broken off if desired.
7. Insert PC Board into Transmitter Tube, battery end in first. If mounted above door, be sure to hold PC Board in hole otherwise PC Board may slip out.
8. Close Transmitter Tube. Place Tube Cap over end of Transmitter Tube and use either screwdriver or needle-nose pliers to turn clockwise to secure.
9. Drill a 1/2" x 1 3/4" hole into door for Recessed Door Sensor Magnet. Tap magnet into hole with a hammer. Gap must be less than 1/2".
10. Program the panel. Enter (a) the zone number to which the transmitter will be mapped; (b) the 6-digit ID code with checksum digit; and (c) the wireless point number 1. Refer to the programming instructions for the control panel and keypad in use.
Note: In ETL burglary installations, program the burglary alarm output for all protective devices.

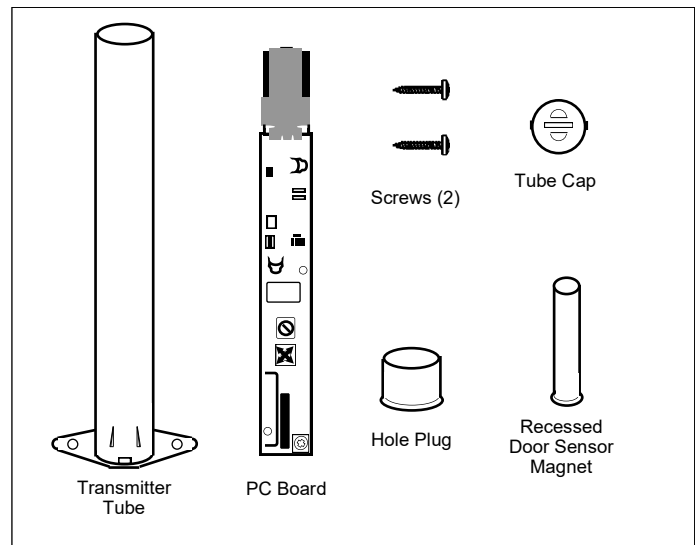


Fig. 1. GEM-RTRANS Component Parts

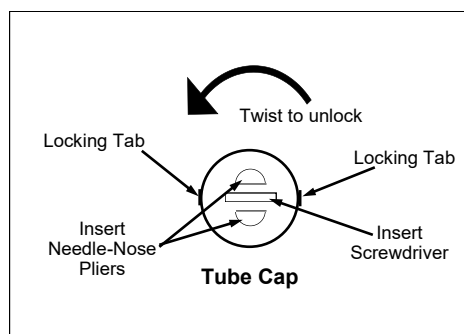


Fig. 2. Opening the Case

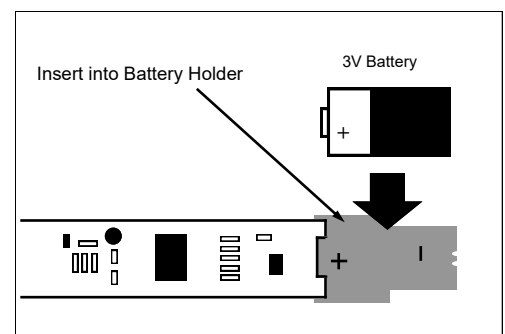


Fig. 3. Installing the battery

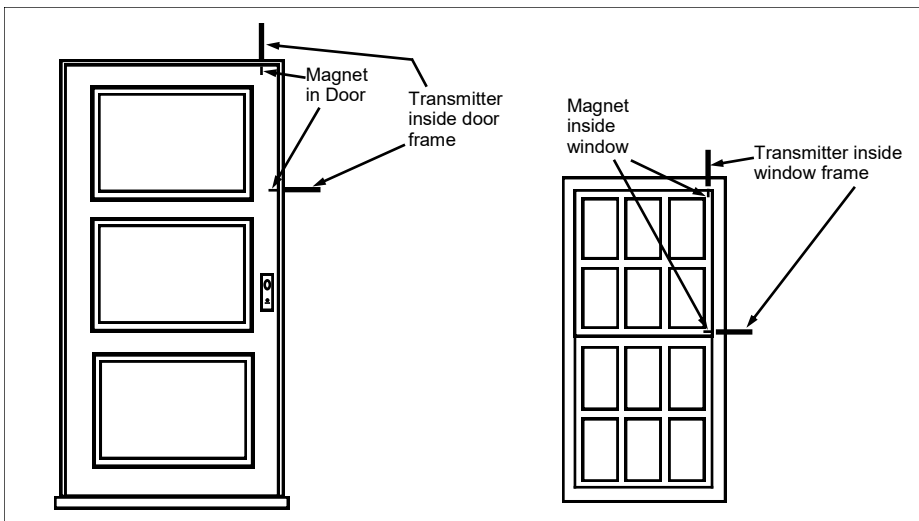


Fig. 4. Typical Transmitter Locations

NOTE:

1. **Caution:** Changes or Modifications not approved by Napco may void the user's authority to operate the equipment.
2. This device may not cause interference.
3. This device must accept any interference, including interference that may cause undesired operation of the device.

NAPCO LIMITED WARRANTY



NAPCO SECURITY TECHNOLOGIES, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for *thirty-six months* following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

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Any action for breach of warranty, including but not limited to any implied warranty of merchant ability, must be brought within the six months following the end of the warranty period.

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NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

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