

ELK-319DR Wireless Recessed Door Sensor



Description

The ELK-319DR is a Supervised, Wireless Door Sensor uniquely designed for recess mounting on the inside edge of a door and its frame. The sensor is virtually invisible when the door is closed.

As the door is opened or closed, the sensor transmits an open (trip) or close (restore) signal to the panel. Additionally transmitted signals include: tamper, hourly supervisory, and low battery (as needed). The sensor is powered by a single replaceable 3VDC, lithium battery.

This sensor is compatible with Elk's 319MHz Receivers/Panels as well as many other panels that operate on the 319.5MHz Frequency and adhere to the ITI/Interlogix protocol.



Specifications

RF frequency: 319.5 MHz

Compatibility: ELK-319 Receivers/Panels & other panels that operate on the 319.5MHz Freq. and adhere to the ITI/Interlogix protocol

Battery type: 3VDC "CR2" lithium (Panasonic or Varta)

Operating Temp Range: 32 to 120°F (0 to 49°C)

Storage Temp Range: -30 to 140°F (-34 to 60°C)

Relative Humidity: 95% non-condensing

Dimensions 2.25" L x .75" D

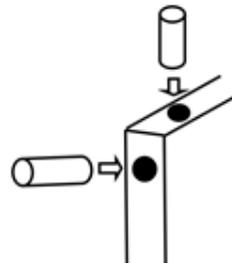
Programming (Enrollment)

The following is a general guideline for programming (enrolling) a sensor into the receiver or panel. For more extensive instructions please refer to the receiver or panel instructions.

1. Place the panel into the Program mode.
2. Proceed to the WIRELESS SETUP menu.
3. Select the appropriate zone/sensor location number.
4. When prompted by panel to trip the sensor for learning:
 - Remove cap from sensor using a coin or screwdriver
 - If present pull the battery pull tab out to power the sensor
 - The panel should acknowledge the sensor has been learned by keypad display and/or audio alert (depending on the panel). If enrollment fails to occur repeat the process but remove and reinstall the battery OR try pressing and releasing the tamper plunger.
5. Repeat the above process for any additional wireless sensors. Proceed to the zone programming to assign each sensor's zone definition.
6. Exit programming mode when finished.

Installation Guidelines and Mounting

- This sensor is **NOT RECOMMENDED** for use with metal doors or metal jambs as metal will negatively affect the transmitting range and magnet performance.
- **NEVER** drill any holes or permanently mount the sensor until it has been tested at its desired location to make certain it can be received by the panel.
- Install the sensor within 100 ft. of the receiver or panel.
- The sensor should be mounted in the door frame and the magnet in the door.
- The selected location must be able to accept an 11/16" hole to a depth of 2 1/4" for the sensor and 5/8" for the magnet
- The holes must be drilled directly across from each other to ensure the magnet and sensor operate properly
- Use a 11/16" hole-saw or sharp brad-point drill bit.
- Drill the hole for the magnet first and then drill the hole for the sensor making certain it is directly across from the magnet.
- Gently press the magnet and sensor into the drilled holes. **DO NOT HAMMER OR FORCE!** The magnet and sensor are slightly larger than the drilled hole to ensure a snug fit. A small amount of adjustment of the hole may be necessary.



Install Magnet in top or side of the door as shown.

Install Sensor door frame (jamb) directly opposite the magnet

Testing the Sensor

It is recommended that all wireless sensors be thoroughly walk tested after installation and programming.

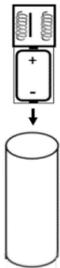
1. Place the panel into the Walk Test mode.
2. Monitor the keypad display as each sensor is tripped. Refer to the receiver or panel for complete instructions. In some cases there may be a signal strength indication.
3. Exit Walk Test mode when finished.

Battery Replacement

Low Battery trouble will be transmitted when the sensor battery needs to be replaced.

NOTE: Replace battery within 7 days of the low battery trouble indication.

- Remove the cap from sensor using a coin or screwdriver.
- Carefully pull out the circuit board.
- Push out the old battery towards the antennas.
- Observe Polarity while replacing with a fresh new battery.



CAUTION: Use only approved 3.0VDC Lithium Battery: Panasonic or Varta model CR2

- Note the slot for board alignment and carefully slide board back into housing.
- Replace the cap and test activate the device at least five times.

BATTERY WARNING:

Risk of fire, explosion and burns. Do not attempt to recharge or disassemble. Do not incinerate or expose to heat above 212° F (100° C). Dispose of used batteries properly. Keep away from children.

FCC AND IC COMPLIANCE STATEMENT:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful 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:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 cm is maintained from the general population.

FCC ID: 2ABBZ-RF-RDWS-319

IC: 11817A-RFRDWS319

This device complies with Part 15 of the FCC Rules. 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-3B. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Limited Warranty

THIS WIRELESS SENSOR IS WARRANTED TO BE FREE FROM DEFECTS AND WORKMANSHIP FOR A PERIOD OF 2 YEARS FROM DATE OF MANUFACTURE EXCLUDING BATTERIES. BATTERIES USED WITH WIRELESS DEVICES ARE NOT WARRANTED.

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NOTE: Elk Products is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.