



EL-2501

Supervised Wireless Magnetic Door and Window Contact

The EL-2501 is a magnetic door and window contact designed for use with the MasterLink supervised wireless range of receivers. If a transmission is not sent within an hour, the EL-2501 sends a Status transmission to the receiver. This magnetic door/window contact is also available with an optional rear tamper switch.

Installation Instructions

1. Using a small screwdriver, remove the front cover by pushing the pry-off slot located at the bottom of the unit.
2. Observing correct polarity, insert two lithium batteries into the battery holders as shown in figure 1.
3. The EL-2501 can be registered to the receiver in two ways. Set the receiver to Registration mode and either manually enter the serial number or automatically register the transmitter. To automatically register the transmitter, insert the Test jumper and make sure that the LED lights up at least twice. After registration, remove the Test jumper and place it over one pin for storage. **Note: The receiver allocates a transmitter number to each registered unit. Write this number and the number of the zone on the sticker provided. Affix the sticker inside the front cover for future reference.**

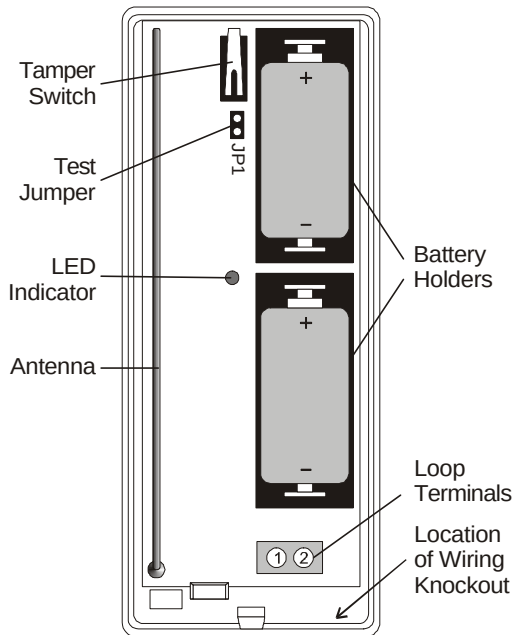


Figure 1: PCB

4. Before permanently mounting the unit, test the transmitter from the exact mounting position. If necessary, relocate the transmitter to a better position.
5. If connecting a wired contact loop, connect the terminal block as follows:

Terminal 1 - Alarm

Terminal 2 – GND

For this purpose, a wiring knockout is provided in the back cover. **Note: If the contact loop is not used, short terminals 1 and 2.**

6. Using the screws provided, attach the mounting plate to the wall with the holding posts facing upwards.
7. Attach the back cover to the mounting plate by placing the keyhole slots over the holding posts and sliding the cover until the locking tab clicks into place.
8. Using a small screwdriver, remove the front cover of the magnet by pushing the pry-off slot located at the side of the unit.

9. Attach the back cover of the magnet to the wall using the screws provided. Make sure that the guideline on the magnet is correctly aligned with the guideline on the transmitter. **Note: Do not install the magnet further than 1cm from the transmitter.**
10. Test the transmitter, making certain that the LED is lit when opening the door/window and again when closing. **Note: The LED blinks to indicate that the battery is low and needs replacing.**
11. Close the front covers of the transmitter and the magnet.

Optional Back Tamper

When using the optional back tamper switch, the additional mounting plate shown in Figure 2 must be installed. Attach mounting plate A to the wall with a screw in mounting hole D. To mount the unit with the back tamper mounting plate (see Figure 3: Exploded View):

1. Align mounting plates A and B and attach both plates to the wall with the mounting screws provided.
2. Attach the back cover (C) to mounting plate B as described in step 7 of the section 'Installation Instructions'.

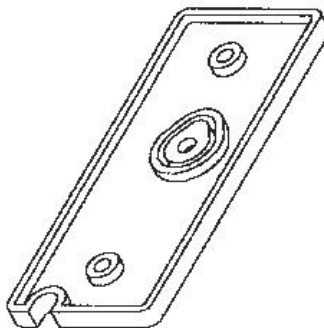


Figure 2: Back Tamper Mounting Plate

Technical Specifications

Antenna: Built-in Internal Whip

Frequency: 418MHz FM

Power: 2 X 3.6V ½ AA Lithium Batteries

Battery Life: 5 years (regular usage)

Current Consumption: 20mA (transmission)
10µA (standby)

RFI Immunity: 40V/m

Operating Temperature: 0 - 60°C

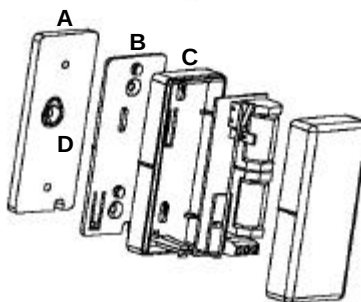


Figure 3: Exploded View

Note: 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:

1. Reorient or relocate the receiving antenna. 2. Increase the separation between the equipment and the receiver. 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. 4. Consult the dealer or an experienced radio/TV technician for help. Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Electronics Line) could void the user's authority to operate the equipment.



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