EL-2635
Repeater

INSTALLATION GUIDE

Electronics Line

Introduction

The EL-2635 is a wireless repeater designed to extend the range of wireless devices registered to the infiniti control panel. Up to four repeaters can be registered to the control panel with eight transmitters registered to each repeater. The repeater is powered by either 9VAC (via a 110VAC plug-in step down transformer) or 12VDC with a 6V rechargeable backup battery pack. Registration and maintenance tests are performed using a plug-in LCD programming keypad that provides a comprehensive interface to the repeater.

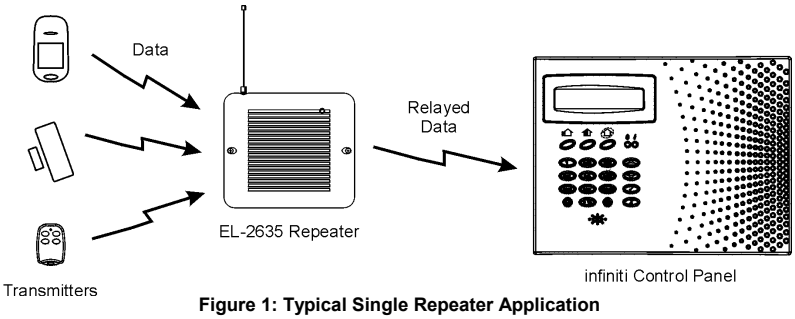

Figure 1: Typical Single Repeater Application

Installation

1. Register all wireless devices to the infiniti control panel as explained in the infiniti installation manual.
2. On the control panel, define the detection devices that are intended to transmit via the repeater as follows:
   - From the Programming menu, select Devices, Zones [911].
   - Select the zone you want to program (1-32).
   - From the zone's sub-menu, select Repeater [#9].
   - Select "Use Repeater".

   Note: It is not necessary to define, at the control panel, the keypads and keyfobs that are registered to the repeater.
3. Open the EL-2635's plastic housing. To do so, remove the two cover screws and lift the front cover away from the base.

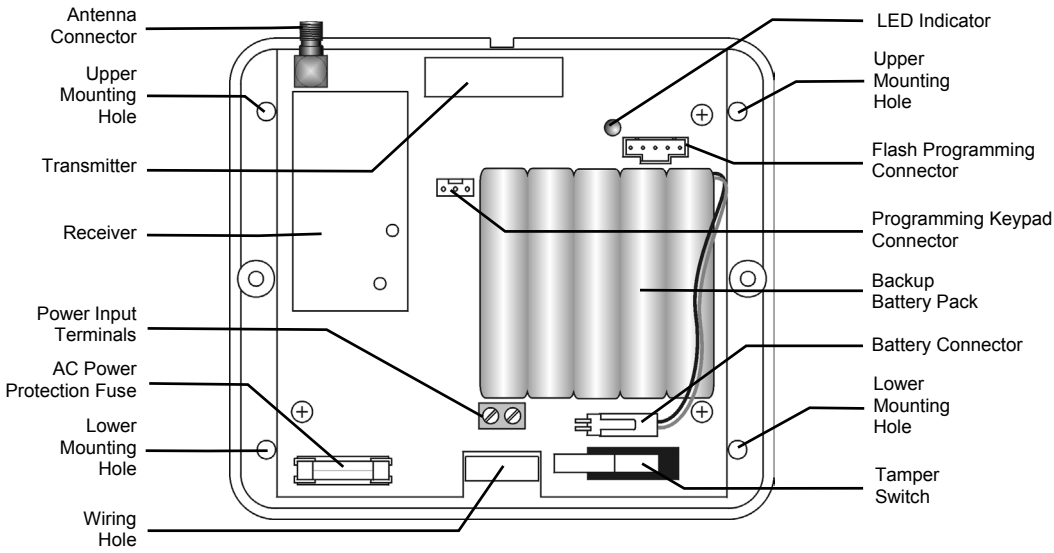

Figure 2: EL-2635 (cover removed)

4. Connect the antenna provided to the antenna connector.
5. Connect the backup battery pack to the Battery connector.
6. Connect 9VAC (via a 110VAC plug-in step down transformer) or a 12VDC transformer to the Power Input terminal block.
7. All registration and test functions, described in the following sections, are performed from the LCD programming keypad shown in Figure 3. Connect the programming keypad to the Programming Keypad connector.

   Note: The programming keypad is not able to operate on battery power only.
8. Test the repeater from the required mounting location before permanently mounting the unit.
9. Mount the base to the wall using four screws and replace the front cover.

When the tamper switch is open, the bi-color LED provides indication regarding repeater transmission and reception as an aid during the installation procedure – *see Table 1*. When the tamper switch is closed, the bi-color LED provides indication regarding power status – *see Table 2*.

LED Indication	Description
Flashing Green	Signal Reception
Flashing Red	Signal Transmission

Table 1: LED Indication (Tamper Open)

LED Indication	Description
Steady Green	AC & Battery OK
Flashing Red	AC Loss
Flashing Orange	Low Battery

Table 2: LED Indication (Tamper Closed)

Registering the Repeater to the Control Panel

For the control panel to recognize the repeater, you must register the repeater to the control panel.

To register the repeater to the control panel:

1. Set the **control panel** to Registration mode as follows:
   - From the Programming menu, select Devices, Repeaters [914].
   - Select the repeater you want to register (1-4).
   - From the repeater's sub-menu, select Register [#1].
2. Send two Status transmissions from the **repeater** as follows:
   - On the programming keypad, press ▼ until ***5. STS Transmit*** appears on the display.
   - Press ✓.
   - Press ✓ again.
3. Confirm registration to the **control panel** as follows:
   - When ***Save?*** appears on the control panel's LCD display, press ✓.

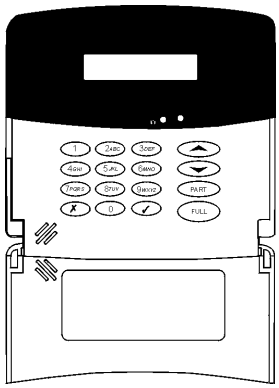

Figure 3: LCD Programming Keypad

Registering Transmitters to the Repeater

You can register up to eight transmitters to the EL-2635 repeater.

Note: Do not register the same transmitter to more than one repeater.

To register transmitters to the repeater:

1. On the LCD programming keypad, press ▼ until ***4. TX Register*** appears on the display.
2. Press ✓ ; ***New Device*** appears on the display.
3. Press ✓ again; ***Transmit 1*** appears on the display.
4. Send two transmissions from the device you want to register.
5. When the transmitter number and ***Save?*** appear on the display, press ✓ to confirm registration.

   Note: The EL-2635 repeater automatically allocates a transmitter number to each newly registered device. Write this number and the zone number on the sticker provided with the sensor and stick it inside the transmitter's cover for future reference.
6. After you have confirmed registration, the display returns to ***New Device***. Press ✓ to register another device or ✗ to exit Registration mode.

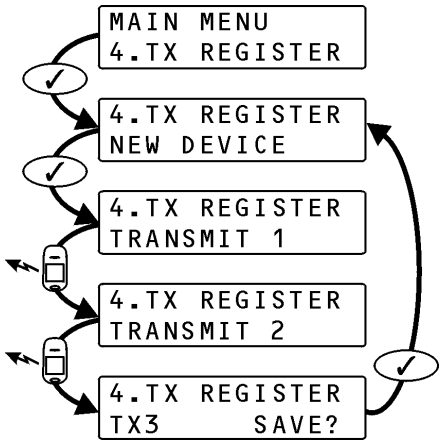

Figure 4: Transmitter Registration Procedure

Deleting Registered Transmitters

To delete transmitters from the repeater's register:

1. On the LCD programming keypad, press ▼ until ***3. TX Delete*** appears on the display.
2. Press ✓ ; the first transmitter in the list appears on the display.
3. Use the arrow navigation keys (▲/▼) to scroll to the transmitter you want to delete.
4. Press ✓ to select the transmitter.
5. Press ✓ again for confirmation; the transmitter is deleted.
6. Select another transmitter to delete or press ✗ to exit.

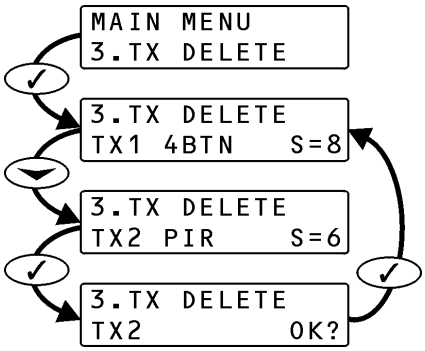

Figure 5: Delete Transmitter Procedure

Installer Utilities

The EL-2635 repeater offers two installer utilities that serve as a valuable aid during installation and maintenance.

TX List

The TX List is a scrollable inventory of all registered transmitters and their last reported signal strength.

To view the TX list:

1. Press ▼ until ***1. TX List*** appears on the display.
2. Press ✓ ; the first transmitter in the list is displayed.
3. Use the arrow navigation keys (▲/▼) to scroll through the list.
4. Press ✗ to exit the list.

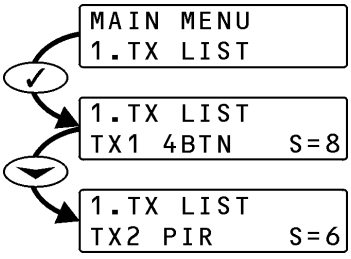

Figure 6: TX List Procedure

TX Test

TX Test is a utility that enables you to identify registered transmitters and test their signal strength.

To perform a TX test:

1. Press ▼ until ***2. TX Test*** appears on the display.
2. Press ✓ .
3. Activate a transmitter; the transmitter number, type and signal strength are displayed.
4. Press ✗ to exit TX Test mode.

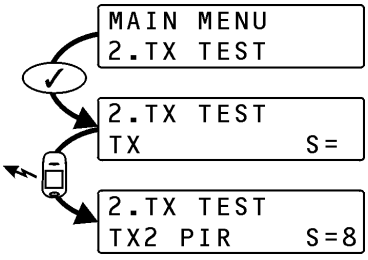

Figure 7: TX Test Procedure

Technical Specifications

Frequency: 868.35MHz, 433.92MHz or 418MHz FM

Antenna: External Whip

Operating Voltage: 9VAC (1332 plug-in transformer) or 12VDC

Backup Battery: 6V/850mAh
(5 x 1.2V Ni-MH rechargeable cells, size AAAL, Part No. BT2635)

Current Consumption: 100mA max. (during transmission)

AC Power Protection Fuse: 0.5A/250V (Part No. EF5125)

Number of Transmitters: 8 max.

Tamper Protection: Front Cover (N.C.)

Operating Temperature: 32-140°F (0-60°C)

Dimensions: 4.3"H x 4.8"W x 0.9"D

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CE

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.
Warning: Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Electronics Line 3000 Ltd.) could void the user's authority to operate the equipment.

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