

1137 Wireless LED Emergency Light

Description

The 1137 Wireless LED Emergency Light is a battery powered LED light that may be programmed for any output in panel programming such as the Burglary or Bell Output.

Applications

The Model 1137 may be used to provide path lighting in the event of an alarm or trouble. For example, when programmed as the Burglary Alarm Output, the 1137 may be used to automatically illuminate dark areas.

Multiple 1137 Wireless LED Emergency Lights can be activated simultaneously by the panel via the Trip with Panel Bell feature.

Compatibility

All DMP 1100 Series Wireless Receivers and Panels

What is Included

The 1137 Emergency Light includes the following:

- One 1137 Emergency Light
- Two AA Energizer Ultimate Lithium batteries
- Serial number label

Emergency Light Serial Number

For your convenience, an additional pre-printed serial number label is included. Prior to installing the light, record the serial number or place the pre-printed serial number label on the panel programming sheet. This number is required during programming.

Programming and Operation of the Emergency Light

Program the device as an output in Output Information during panel programming. At the Serial Number prompt, enter the eight-digit serial number. Continue to program the output as directed in the panel programming guide.

In Output Information program the wireless output as:

XTL/XT30/XT50 31-34, 41-44

XR100/XR500/XR150/XR350/XR550 450-474, 480-499

Trip with Panel Bell Option

Select YES to have the 1137 Wireless LED Emergency Lights follow the panel bell output including bell cutoff time. The ON/OFF state of the 1137 cannot be changed via the output menu or any other panel function. Default is YES. Unless turned off, the 1137 will automatically turn off after 15 minutes of operation.

Selecting the Proper Location (LED Survey Operation)

The 1137 Transmitter provides a survey capability to allow one person to confirm transmitter communication with the receiver while the reflector is removed. The 1137 Transmitter PCB Red Survey LED turns on whenever data is sent to the receiver then immediately turns off when the receiver acknowledgement is received. Pressing the tamper switch with the reflector removed is a convenient way to send data to the receiver to confirm operation. When the transmitter does not receive an acknowledgement from the receiver the LED remains on for about 8 seconds to let you know communication is not established. Communication is also faulty when the LED flashes multiple times in quick succession. Relocate the transmitter or receiver until the LED immediately turns off indicating the transmitter and receiver are communicating properly. Proper communication between the transmitter and receiver is verified when for each press or release of the tamper switch, the LED blinks immediately on and immediately off. Repeat this test to confirm five separate consecutive LED blinks. Any indication otherwise means proper communication has not been established.

For optimum wireless performance, install the transmitter away from large metal objects. Mounting the transmitter on or near metal surfaces impairs performance.

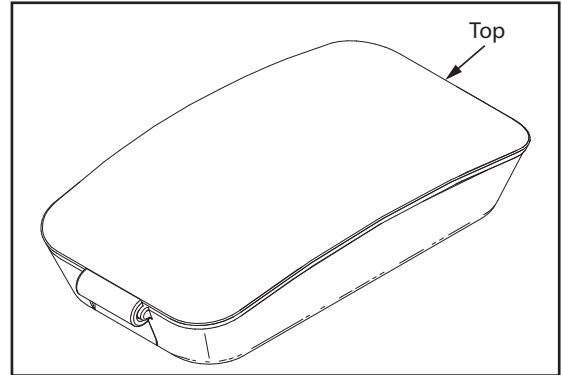


Figure 1: 1137 Emergency Light

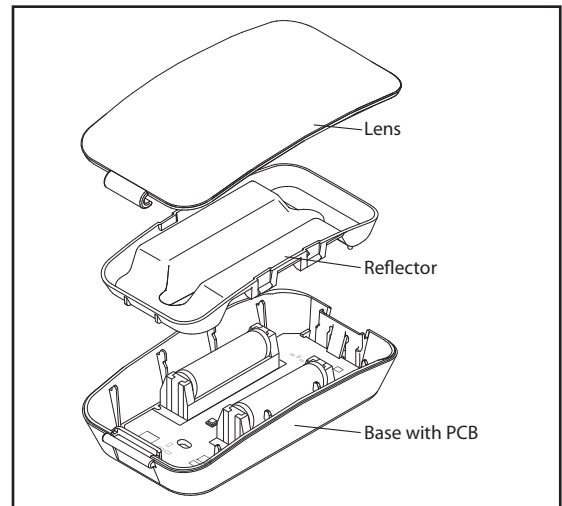


Figure 2: 1137 Components

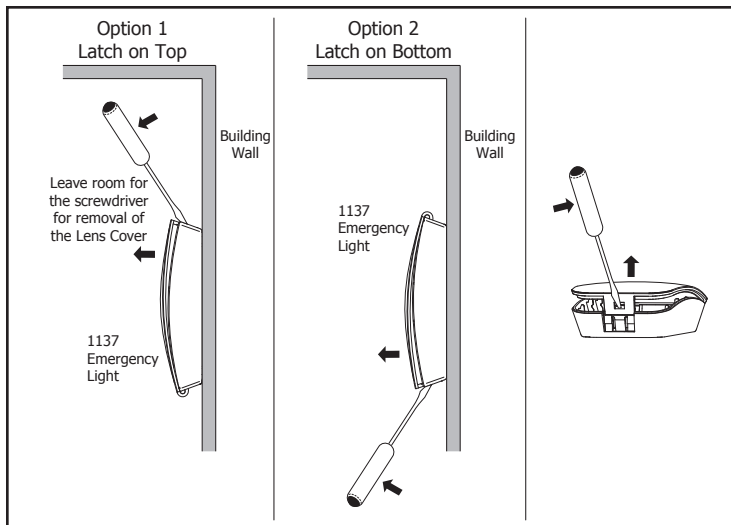


Figure 3: Removing the Cover Lens

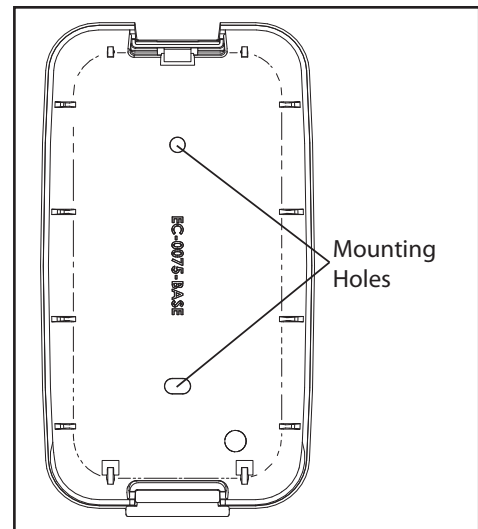


Figure 4: Screw Mount

Tamper

Case Tamper

The case tamper switch is pressed when the reflector of the 1137 is secured to the base. When the reflector is removed, the 1137 sends a Tamper Trouble message to the Central Station (See Figure 6 for case tamper switch location).

Mounting the Light

Installing the 1137 Wireless LED Emergency Light:

1. Open the cover lens. Insert a flat screwdriver in the cover lens latch on the base and gently pry the screwdriver handle while pulling the cover lens open from the base (see Figure 3).
2. The base contains the reflector, PCB and batteries. Gently squeeze and lift the reflector from the snap-in retainers on the base to expose the PCB (see Figure 5). It is not necessary to remove the PCB to access the mounting holes. See Figure 4 for mounting hole locations.
3. The 1137 may be mounted with the latch toward the top or toward the bottom (See Figure 3). If mounting with the latch toward the top, it is important to leave room for access to the latch and to fully rotate the cover lens to the open position for battery installation or replacement. Using two #6 screws in the two mounting holes, mount the base vertically to the wall.
4. Observing polarity, place the AA Energizer Ultimate Lithium batteries in the holders and press into place. (see step 2 in Installing or Replacing Batteries).
5. Snap the reflector in place and snap the cover lens in place.

Installing or Replacing the Batteries

Observe polarity when installing batteries. Use only AA Energizer Ultimate Lithium batteries.

Note: When setting up a wireless system, it is recommended to program outputs and connect the receiver before installing batteries in the Emergency Lights.

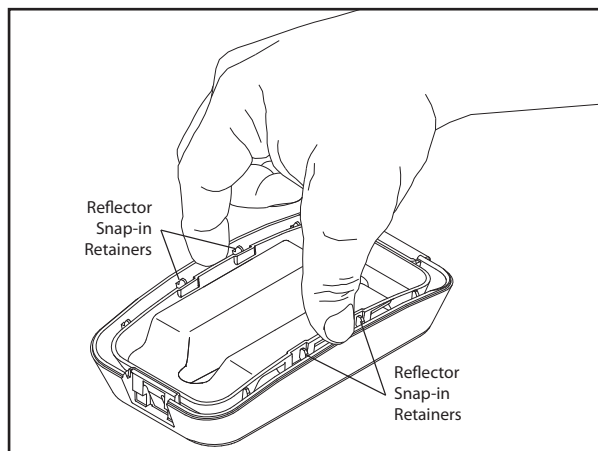


Figure 5: Reflector Removal

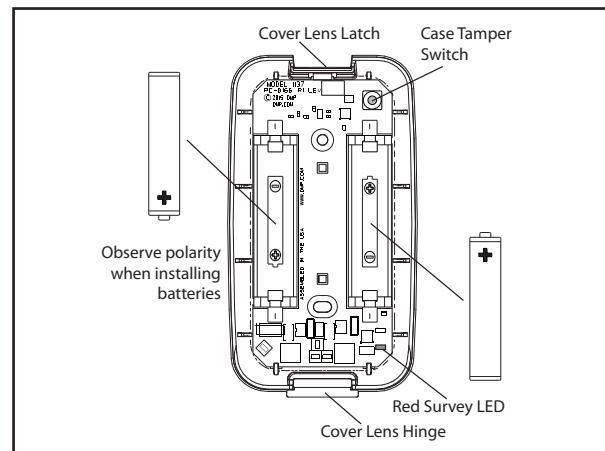


Figure 6: PCB and Battery Location

1. Open the cover lens and remove the reflector to expose the batteries (see steps 1 and 2 in Mounting the Light). Remove the old batteries and dispose of properly.
2. Observing polarity, place the AA Energizer Ultimate Lithium batteries in the holders and press into place. When the batteries are installed with the proper polarity, the RED Survey LED on the PCB will immediately begin to flash. If the RED Survey LED does not begin to flash, the batteries are not installed with the proper polarity. They must be removed and installed correctly (see Figure 6).
3. Snap the reflector in place and snap the cover lens in place.



Caution: Properly dispose of used batteries. Do not recharge, disassemble, heat above 212°F (100°C), or incinerate. Risk of fire, explosion, and burns.

Battery Life Expectancy

Typical battery life expectancy for the DMP Model 1137 Emergency Light is increased when using a slow response output and decreased when using a fast response output. Use only AA Energizer Ultimate Lithium batteries.

Typical battery life expectancy:

- Slow response output - 2 years
- Fast response output - 1 year

DMP wireless equipment uses two-way communication to extend battery life.

The following situations can reduce battery life expectancy:

- If a receiver is unplugged, or not installed.

Note: Emergency Lights continue to send supervision messages until a receiver returns an acknowledgement. After an hour the Emergency Light only attempts a supervision message every 60 minutes.

- When installed in extreme hot or cold environments.

The following situation can extend battery life expectancy:

- Extend or remove Emergency Light supervision time in panel programming.

Low Battery Indication

When LO BAT is displayed on the keypad and a low battery message is sent to central station, the 1137 Emergency Light has an estimated 5 minutes of light output remaining.

FCC Information

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.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm (7.874 in.) from all persons. It must not be co-located or operated in conjunction with any other antenna or transmitter.

Changes or modifications made by the user and not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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:

- 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.

Industry Canada Information

This device complies with Industry Canada Licence-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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Specifications

Battery

Life Expectancy:

Slow response output - 2 years

Fast response output - 1 year

Type AA Energizer Ultimate Lithium Batteries
See Battery Life Expectancy for full details.

Frequency Range 905-924 MHz

Dimensions

Emergency Light Case 3" H x 2-1/2" W x 3/4" D

Color White

Housing Material Flame retardant ABS

Patents

U. S. Patent No. 7,239,236

Certifications

FCC Part 15 Registration ID: CCKPC0155

Industry Canada: 5251A-PC0155



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