1118 Wireless Remote Panic LED Output

Description

The 1118 Wireless Remote Panic LED Output provides one remote LED indicator output that can be used to visually notify the user that a panic alarm has been activated. The 1118 is designed to operate on one CR123A battery or connect to an optional 12 VDC power supply.

The 1118 operates with the XR500 or XR100 Series Command Processor™ panels version 119 using the 1100X Wireless Receiver version 103 or with the XRSuper6, XR20, and XR40 Command Processor™ Panels version 304 using the 1100D Wireless Receiver version 104.

What is Included

The 1118 includes the following:

- One 1118 Wireless Remote Panic LED Output
- One 3V Lithium CR123A battery
- Hardware pack
- Serial number label
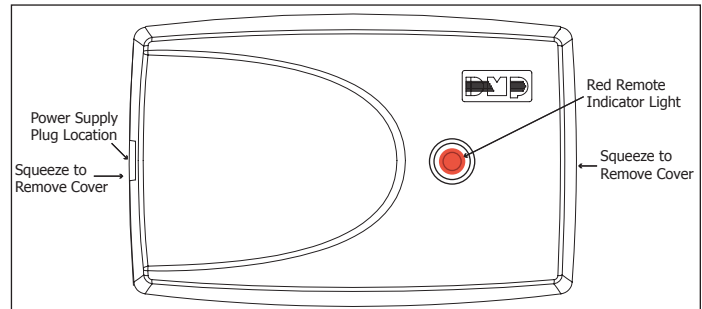
Optional Model 376 DC Power Supply (not included)

Figure 1: 1118 Panic Output

Output Serial Number

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

Programming the Output in the Panel

Program the wireless output in Output Information during panel programming and enter the output number, output name, eight-digit serial number, and supervision time. Specific output numbers are provided for wireless outputs. The output number used indicates whether the wireless output LED responds within 15 seconds (slow response) or within 1 second (fast response). Refer to the XR500 Series Programming Guide (LT-0679), XR100 Series Programming Guide (LT-0896), or the XRSuper6/XR20/XR40 Programming Guide (LT-0305) as needed.

Note: When a receiver is installed, powered down and powered up, the panel is reset, or programming is complete, the supervision time for output transmitters is reset. If the receiver has been powered down for more than one hour, wireless output transmitters may take up to an additional hour to send a supervision message unless tripped, tampered, or powered up. This operation extends battery life for output transmitters. A missing message may display on the keypad until the output transmitter sends a supervision message.

Selecting the Proper Location (LED Survey Operation)

The 1118 provides a survey capability to allow one person to confirm output transmitter communication with the receiver while the cover is removed. The 1118 PCB Red Survey LED (see Figure 2) turns on whenever data is sent to the receiver then immediately turns off when the receiver acknowledgement is received. Pressing the tamper switch is a convenient way to send data to the receiver to confirm operation. When the output transmitter does not receive an acknowledgement from the receiver the survey 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 output transmitter or receiver until the LED immediately turns off indicating the output transmitter and receiver are communicating properly. Proper communication between the output 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.

1118 LED Output Operation

When a Panic Alarm is sent, the LED is on steady for five (5) minutes and then turns off. When a Panic Test is sent to the 1118 from the 1100 Series Receiver, the LED flashes quickly for five (5) minutes and then turns off.

Installing the 1118 Output

Mount the 1118 on a flat surface such as a wall or single-gang box. When using plug-in power supply operation, mount the 1118 near a wall outlet. See Figure 2 for mounting hole locations.
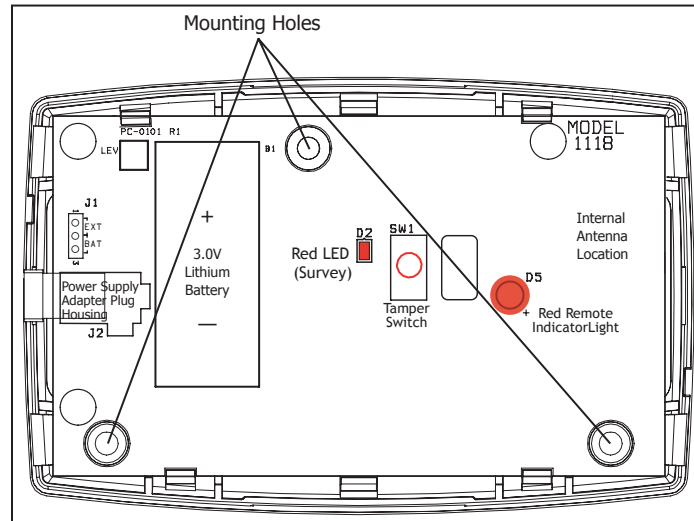

Figure 2: 1118 Output Transmitter PCB and Battery

Powering the 1118 Output

The 1118 output can be powered by:

- CR123A 3.0 VDC battery
- Model 376 plug-in power supply
- 12 VDC Power Supply

Battery Power

Observe polarity when installing the battery. Use only 3.0V Lithium batteries, DMP Model CR123, or the equivalent battery from a local retail outlet. Do not connect the power supply when operating using battery power.

Note: When setting up a wireless system, it is recommended to program outputs and connect the receiver before installing batteries in the output transmitters or connecting the optional power supply.

1. Squeeze the cover left and right sides together to remove. See Figure 1.
2. Install a jumper on the two J1 pins next to BAT to enable battery operation.

   Note: Battery operation is not enabled if the jumper is on the J1 pins next to EXT.

3. If replacing the battery, remove the old battery and dispose of it properly.
4. Place the 3.0V Lithium battery in the holder and press into place. See Figure 3 for Battery location.
5. Snap the cover back into place.

Caution: Properly dispose of unused 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 DMP Model 1118 wireless output transmitter is two to three months when programmed as a fast response output and three to four years when programmed as a slow response output. Refer to the XR500 Series Programming Guide (LT-0679), XR100 Series Programming Guide (LT-0896), or the XRSuper6/XR20/XR40 Programming Guide (LT-0305) as needed. DMP wireless equipment uses two-way communication to extend battery life.

The following situation can extend battery life expectancy:

- Minimal use of the LED for annunciation.
- Extend output transmitter supervision time in panel programming.
- Program the annunciator as a slow response output in panel programming.

The following situations can reduce battery life expectancy:

- If a receiver is unplugged, too far away, or not installed.

  Note: Output transmitters continue to send supervision messages until a receiver returns an acknowledgement. After an hour the output transmitter only attempts a supervision message every 60 minutes.

- When installed in extreme hot or cold environments.

Optional External DC Plug-in Power Supply

When using the optional plug-in DC power supply, mount the 1118 near a wall outlet. Do not install a battery when operating using the plug-in power supply. The plug-in power supply does not charge the battery.

Use the following steps to connect the plug-in power supply:

1. Squeeze the left and right cover sides together to remove. See Figure 1.
2. Install a jumper on the two J1 pins next to EXT to enable power supply operation.

   Note: Power supply operation is not enabled if the jumper is on the J1 pins next to BAT.
3. Snap the cover back into place.
4. Plug the power supply barrel connector into the J2 barrel jack at the side of the 1118 transmitter cover. See Figure 3.
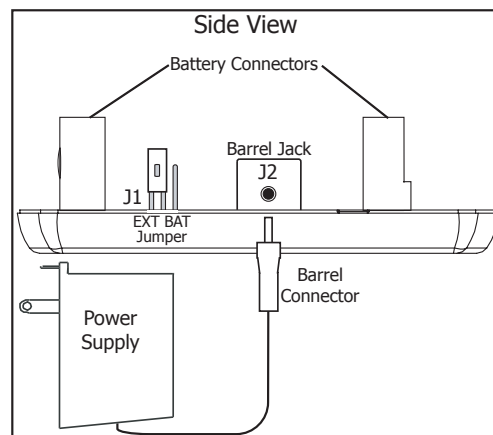5. Plug the power supply into a 110 Volt AC outlet.

Figure 3: 1118 Side View

Optional External 12 VDC Power Supply

The 1118 can also be powered from a 12 VDC power supply such as a DMP Model 502-12. Use 22 AWG wire to connect the barrel connector to the power supply. Purchase the barrel connector at a retail outlet. The power supply does not charge the battery.

Use the following steps to connect the power supply:

1. Squeeze the left and right cover sides together to remove. See Figure 1.
2. Install a jumper on the two J1 pins next to EXT to enable power supply operation.

   Note: Power supply operation is not enabled if the jumper is on the J1 pins next to BAT.
3. Snap the cover back into place.
4. Use 22 AWG wire and connect the positive wire to the pin and negative wire (GND) to the ring (barrel) on a 5.5 x 2.1 mm barrel connector. See Figure 4.
5. Connect the other ends of the wires to the J6 DC connector on the 502-12 power supply PCB. Observe positive and negative polarity on all connections.
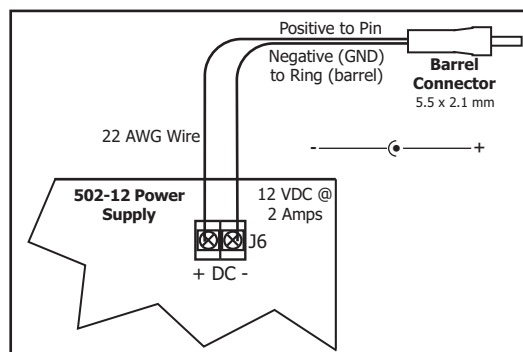

Figure 4: Power Supply Connection

Output Testing

To test the 1118 output from a keypad, access the User Menu Outputs On/Off option. The 1118 LED should light within 15 seconds of entering the assigned output number and selecting on.   Refer to the XR500/XR100 User's Guide (LT-0683), XRSuper6 User's Guide (LT-0622), XR20 User's Guide (LT-0303), or XR40 User's Guide (LT-0494).

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 output 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 output 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.

Specifications

Battery
Life Expectancy   2-3 months (Fast Response)
3-4 years (Slow Response)
Type   3.0V Lithium CR123A
See Battery Life Expectancy for full details.

Frequency Range   903-927 MHz
Dimensions   4.65" L x 3.1" W x 1.4" H
Color   White
Housing Material Flame retardant ABS

Accessories

CR123   DMP 3.0V Lithium Battery
376   DC Plug-in Power Supply
502-12   12 VDC Power Supply

Compatibility

The 1118 Wireless Remote Panic LED Output is compatible with:

XR500 or XR100 panels version 119
1100X Receiver version 103

XRSuper6, XR20, and XR40 panels version 304
1100D Receiver version 104

Patents

Patent(s) Pending

Listings and Approvals

FCC Part 15 Registration ID CCKPC0101

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