

1114 WIRELESS FOUR-ZONE EXPANDER

Installation Guide

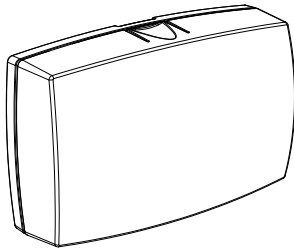


Figure 1: 1114

DESCRIPTION

The 1114 Wireless Four-Zone Expander allows up to 4 additional hardwired zones to report wirelessly to the control panel. Use the four zones with burglary or other non-powered devices. The expander is designed to operate on one CR123A battery or connect to an optional 12 VDC power supply.

What is Included?

- 1114 Wireless Four-Zone Expander
- 3 V Lithium CR123A battery
- Hardware pack with 470k EOL Resistors



1 PROGRAM THE PANEL

Refer to the panel programming guide as needed.

1. In **ZONE INFORMATION**, enter the wireless **ZONE NO:** and press **CMD**.
2. Enter the **ZONE NAME** and press **CMD**.
3. Select the **ZONE TYPE** and press **CMD**.
4. At **NEXT ZN?**, select **NO**.
5. Select **YES** when **WIRELESS?** displays.
6. Enter the eight-digit **SERIAL#** and press **CMD**.
7. Enter the **CONTACT** number being used.



Note: The 1114 Tamper reports on Contact 1 only. If Contact 1 is not programmed into the panel as a zone, the 1114 cannot report tamper to the control panel.

8. Enter the **SUPRVSN TIME** and press **CMD**.
9. At the **NEXT ZN?** prompt, select **YES** and continue to program up to three more zones.



Note: Ensure zones are entered sequentially.

PANEL	ZONES
XTL and XT30/XT50	The zone numbers begin with the 1114 address and are followed by the particular zone from the 1114. For example, an 1114 at keypad address 4 would provide zones 41, 42, 43, and 44.
XR150 and XT75	Zone numbers are valid from 500-599. Zones should still be programmed sequentially (i.e. 551, 552, 553, and 554).
XR550	Zone numbers are valid from 500-999. Zones should still be programmed sequentially (i.e. 551, 552, 553, and 554).

2 POWER THE DEVICE

Power the device with a 3 V lithium battery or a 12 VDC power supply. Do not install a battery if the device is being powered by a power supply. The power supply does not charge the battery.

CR123A 3 V Lithium Battery

Observe polarity when installing the included CR123A battery.

1. Remove the housing cover.
2. Install the supplied jumper on the two pins next to BAT on the power source header.
3. Place the battery in the holder and press it into place.
4. Snap the cover back into place.

12 VDC Plug-In or External Power Supply

The device can also be powered by a 12 VDC plug-in power supply, such as the DMP Model 372-1000-W, or a 12 VDC external power supply, such as the DMP Model 505-12 or DMP Model PS12-5. When using a plug-in power supply, mount the device near a wall outlet:

1. Remove the housing cover.
2. Install the supplied jumper on the two pins next to EXT on the power source header.
3. Wire the power supply to the DC power terminals by following the power supply-specific instructions below.

Plug-In Power Supply

Use the following steps to connect the 372-1000-W plug-in DC power supply to the 1114:

1. Using 22 AWG wire, connect the DC terminal (+) to the positive terminal on the power supply.
2. Connect the DC terminal (-) to the negative terminal on the power supply. See Figure 2.
3. Plug the power supply into a 120 VAC, 60 Hz dedicated outlet not controlled by a switch.

External Power Supply

Observe positive and negative polarity on all connections. Using 22 AWG wire, connect the DC power terminal block on the device to the DC power terminal on the PS12-5 or the 505-12 power supply PCB. See Figure 3.

Snap the cover back into place when you are finished.

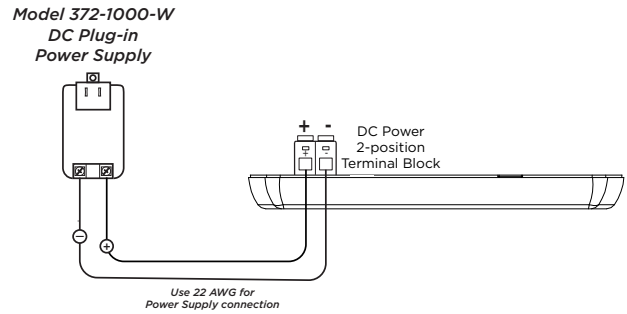


Figure 2: 1114 Wireless Expander Side View

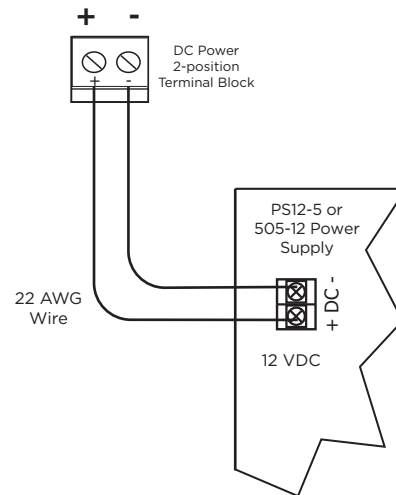


Figure 3: Power Supply Connection

3 SELECT A LOCATION

The device provides a Survey LED capability to allow one person to confirm communication with the wireless receiver or panel while the cover is removed.

1. With the cover removed, hold the device in the exact desired location.
 2. Press the tamper switch to send data to the panel and determine if communication is confirmed or faulty.
- ✓ **CONFIRMED:** If communication is confirmed, 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.
- ✗ **FAULTY:** If communication is faulty, the LED remains on for about 8 seconds or flashes multiple times in quick succession. Relocate the device or receiver until the LED confirms clear communication.

4

MOUNT THE DEVICE

Mount the device on a flat surface such as a wall or single-gang box. When using the optional Model 376L plug-in power supply, mount the device near a wall outlet. See Figure 4 for an example of all mounting holes on the housing base. Use any combination.

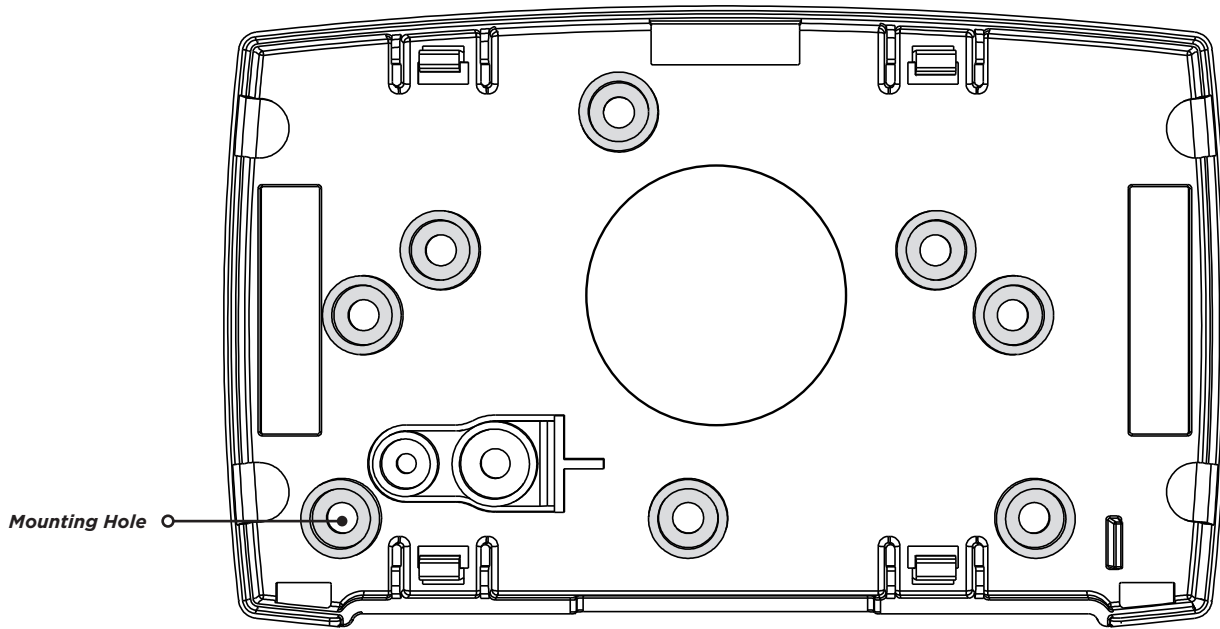


Figure 4: Mounting Hole Locations

5

CONNECT THE DEVICE

Locate zone devices within 100 feet of the device. Use 22 or 18 AWG wire to complete the connections between zones 1-4 of the device and each field device. Each zone terminates with one of the included 470k EOL resistors. See Figure 5.

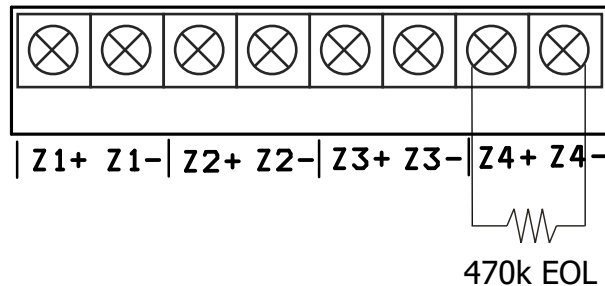


Figure 5: Zone Terminals

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 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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and 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.

INDUSTRY CANADA INFORMATION

This device complies with Industry Canada Licence-exempt RSS standards. 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.

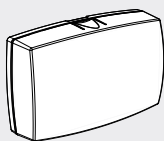
This system has been evaluated for RF Exposure per RSS-102 and is in compliance with the limits specified by Health Canada Safety Code 6. The system must be installed at a minimum separation distance from the antenna to a general bystander of 7.87 inches (20 cm) to maintain compliance with the General Population limits.

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.*

L'exposition aux radiofréquences de ce système a été évaluée selon la norme RSS-102 et est jugée conforme aux limites établies par le Code de sécurité 6 de Santé Canada. Le système doit être installé à une distance minimale de 7.87 pouces (20 cm) séparant l'antenne d'une personne présente en conformité avec les limites permises d'exposition du grand public.

1114 WIRELESS FOUR-ZONE EXPANDER



Specifications

Battery	
Life Expectancy	3 years
Type	3 V Lithium CR123A
Frequency Range	905-924 MHz
Dimensions	4.65" L x 3.10" W x 1.40" H 11.81 L x 7.87 W x 3.56 H cm
Color	White
Housing Material	Flame Retardant ABS

Accessories

CR123	DMP 3 V Lithium Battery
372-1000-W	DC Plug-in Power Supply
505-12	12 VDC Power Supply
PS12-5	12 VDC Power Supply

Compatibility

XT30 Control Panels with 1100DH Series Wireless Receiver
Version 105 or higher

XT50 Control Panels with built-in wireless receiver or
1100DH Series Wireless Receiver with Version 105 or higher

XT75 Control Panels with built-in wireless receiver or 1100XH
Series Wireless Receivers

XR Series Control Panels with 1100XH Series Wireless Receivers
Version 105 or higher

XTLplus Control Panels with built-in wireless receiver

XTLtouch Control Panels with built-in wireless receiver

Patents

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

Certifications

FCC Part 15 Registration ID CCKPC0101

IC Registration ID 5251A-PC0101



Designed, engineered, and
manufactured in Springfield, MO
using U.S. and global components.

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