

1158 WIRELESS EIGHT-ZONE INPUT MODULE

Installation Guide

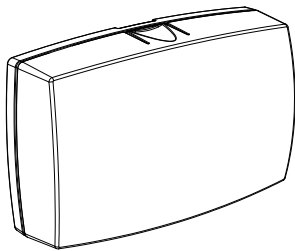


Figure 1: 1158

DESCRIPTION

When a DMP panel is installed in a location with an existing non-DMP panel, the 1158 Wireless Eight-Zone Input Module can be used to convert up to eight existing normally closed, hardwired zones into wireless zones. This allows the new DMP panel to communicate with existing zones.

The 1158 uses two serial numbers to accommodate up to eight zones and can be powered by transferring AC and battery power from the existing panel.

What is Included?

- 1158 Wireless Eight-Zone Input Module
- Hardware pack



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PROGRAM THE PANEL

The 1158 can be programmed with up to eight zones. When programming the 1158 in the panel, refer to the panel programming guide as needed.

Program the serial number associated with contacts 1 through 4 first. Then, start by programming contact 1.

When you enter the serial number associated with contacts 5 through 8, contact 1 displays again indicating that you are programming the first contact associated with that serial number.

1. In **ZONE INFORMATION**, enter the zone number, and then press **CMD**.
2. Enter the **ZONE NAME** and press **CMD**.
3. Once **ZONE TYPE** appears, select the appropriate zone type, and then press **CMD**.
4. At the **NEXT ZONE** prompt, select **NO**. If you see the **WIRELESS ZONE** prompt, select **YES**.



Note: If you are programming the 1158 onto a zone that can be either hard wired or wireless, this prompt appears. If the zone is wireless-only, this prompt does not appear.

5. Enter the eight-digit **SERIAL NUMBER** and press **CMD**.
6. Enter the **CONTACT** number being used.
7. Enter the **SUPERVSN TIME** and press **CMD**.
8. At the **NEXT ZONE** prompt, select **YES** and continue to program up to seven more zones.



Note: Zones on the same serial number must be entered sequentially.

PANEL	ZONES
XT30/XT50, XTLplus, & XTLtouch	The zone numbers begin with the 1158 address and are followed by the particular zone from the 1158. For example, an 1158 at keypad address 4 would provide zones 41, 42, 43, and 44.
XT75	Zone numbers are valid from 500-599. Zones must still be programmed sequentially (i.e. 551, 552, 553, and 554).
XR150	Zone numbers are valid from 500-599. Zones must still be programmed sequentially (i.e. 551, 552, 553, and 554).
XR550	Zone numbers are valid from 500-999. Zones must still be programmed sequentially (i.e. 551, 552, 553, and 554).

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SELECT A LOCATION

Use an 1106 Universal Wireless Transmitter to determine the location of the 1158.

The 1106 provides a Survey LED capability to allow one person to confirm communication with the wireless receiver or panel while the cover is removed.

1. Hold the 1106 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 transmitter or receiver until the LED confirms clear communication.

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MOUNT THE 1158

Place the 1158 close to the existing non-DMP panel.

With the housing cover removed, use the supplied screws to secure the 1158 to a wall or other flat surface. Use the built-in holes on the PCB to screw the housing base onto a surface without removing the PCB. See Figure 2.

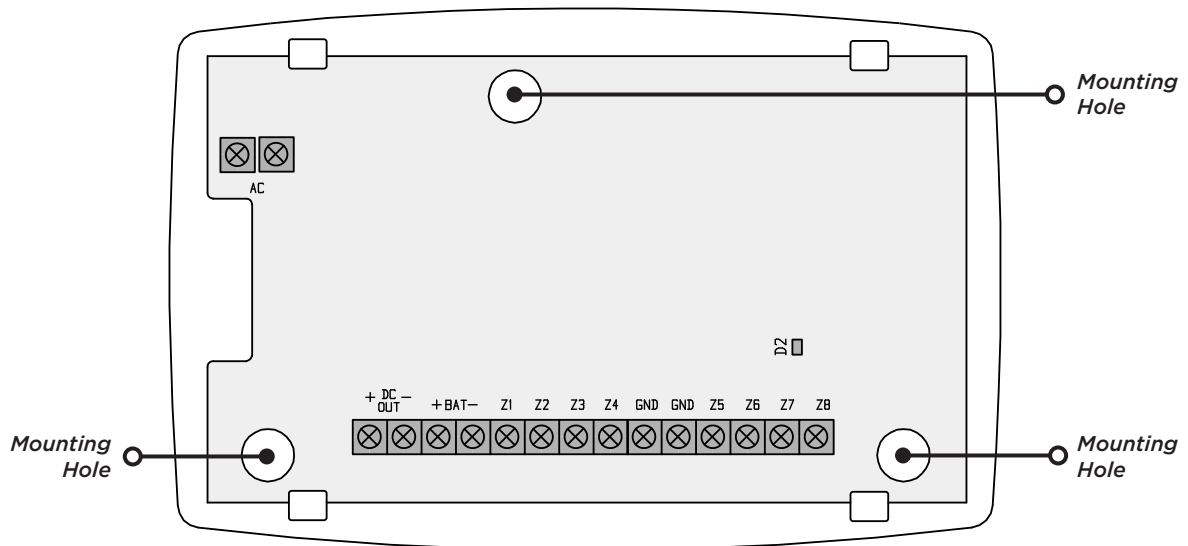


Figure 2: 1158 Mounting Hole Locations

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WIRE THE 1158 ZONES

Wire the contacts and connect the receiver before connecting power to the 1158.

1. Locate the existing normally closed contacts you would like to connect to the 1158. These contacts should be within 2,500 feet of the 1158.
2. Use the existing wire to connect a contact to a zone terminal and a ground (GND) terminal. See Figure 2.
3. Repeat step 2 for the remaining contacts, as needed.

📋 **Note:** When wiring new contacts, EOL resistors do not need to be used. However, if existing contacts have EOL resistors installed, they do not need to be changed or removed. Use 18 to 22 gauge wire for all new contacts.

4. Connect the positive and negative **DC OUTPUT** terminals on the 1158 to any devices that require separate power, if necessary.

📋 **Note:** The 1158 can provide up to 150 mA of current to powered devices that require 12 V power. When adding powered devices, calculate the total current draw.

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POWER THE 1158

The 1158 can be powered by either AC or DC power sources. Follow the instructions below to transfer AC power from an existing panel or connect an AC transformer, DC transformer, or backup battery to the 1158.

Option A: Connect AC Power

To power the 1158, you can transfer AC power from the existing panel to the 1158. You can also use a DMP Model 321 40 VA, 16.5 VAC Plug-In Transformer to power to 1158. If a backup battery is attached to the existing panel, it can be transferred to the 1158 as well. Use 18-22 gauge wire for all wiring connections.

1. Connect the 1158's **AC** power terminals to the existing panel's 16.5 VAC power supply. See Figure 3.
2. Ensuring that polarity is correct, connect the positive and negative **BAT** terminals on the 1158 to the existing panel's backup battery, if necessary. The battery charging circuit supplies up to 50 mA.



Note: A Battery Trouble message will not be generated if a backup battery is not connected to the 1158.

3. Snap the housing cover into place.

Option B: Connect DC Power

You can also use a 376L 12 VDC 600 mA Plug-in Power Supply or other 12 VDC power source with the 1158.



Note: An AC Trouble message will not be generated if the 1158 is not connect to an AC power source.

1. Connect the 376L flying leads to the **BAT** terminals on the 1158. See Figure 3.
2. Plug the 376L into a standard electrical outlet.

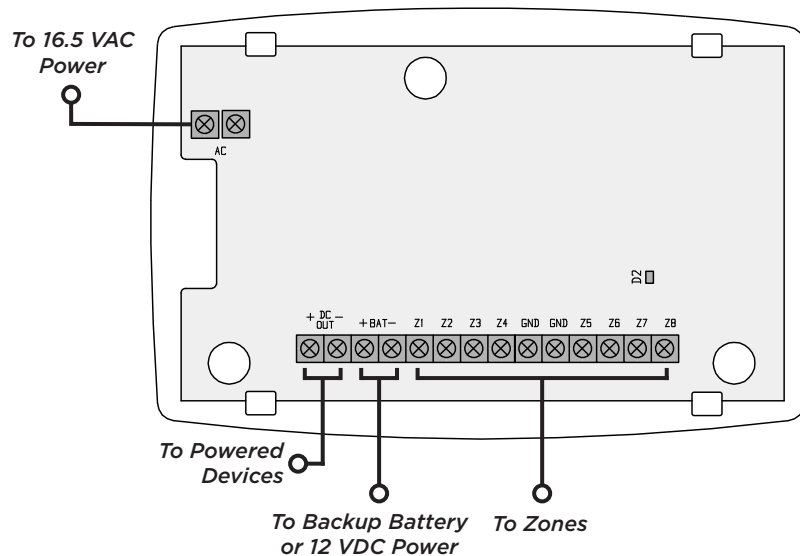


Figure 3: 1158 Zone and Power Wiring


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.

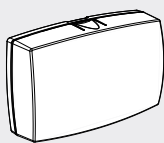
This system has been evaluated for RF Exposure per RSS-102 and is in compliance with the limits specified by Health Canada Safety Code 6. The system must be installed at a minimum separation distance from the antenna to a general bystander of 7.87 inches (20 cm) to maintain compliance with the General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

1158 WIRELESS EIGHT-ZONE INPUT MODULE



Specifications

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
Current Draw	
DC Output	150 mA
Battery Charge	50 mA

Patents

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

Compatibility

1100DH Series Wireless Receiver with Version 105 or higher
XT30/XT50 Control Panels

1100XH Series Wireless Receivers with Version 105 or higher
XT75 Control Panels
XR Series Control Panels

Built-in Wireless Receivers
XTL Series Control Panels
XT50 Control Panels
XT75 Control Panels

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.

LT-1642 24401

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