738ZplusINT Z-WAVE INTERFACE MODULE

Installation Guide

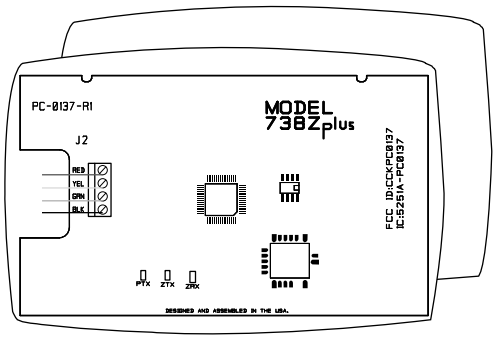

Figure 1: 738ZplusINT Z-Wave Interface Module

DESCRIPTION

The 738ZplusINT Z-Wave Interface Module allows DMP panels to communicate with up to 140 Z-Wave or Z-Wave Plus devices, such as light controls, light bulbs, door locks, garage door openers, and thermostats.

The 738ZplusINT is automatically recognized by DMP panels, and no additional programming is required. Once the module is connected to a DMP panel, users can immediately begin adding Z-Wave devices to their system.

Devices can be remotely controlled from smart phones using the DMP Virtual Keypad™ App.

Compatibility

- DMP XT30INT/XT50INT Series panels
- DMP XR150INT/XR550INT Series panels
- All Z-Wave and Z-Wave Plus devices
- See the Compatibility section for complete information.

What is Included?

- 738ZplusINT Z-Wave Interface Module
- Hardware pack

1 SELECT THE LOCATION

Select a central location for the 738ZplusINT Z-Wave Interface Module. Keep in mind that at least one Z-Wave Plus device must be within 19.8 meters of the module. Most Z-Wave Plus devices act as repeaters for the signal to create longer and multiple transmission routes (battery-powered Z-Wave Plus devices do not repeat signals in order to extend battery life). See Figure 2.

Note: Place the module away from large, metal objects to avoid interference with the Z-Wave Plus signal.

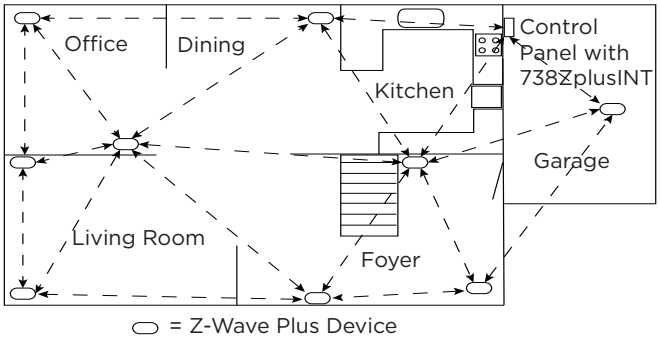

Figure 2: Example Z-Wave Plus Transmission Routes

2 MOUNT THE 738ZplusINT

1. With the housing cover off, carefully remove the 738ZplusINT's PCB from the housing.
2. Use the supplied screws to secure the 738ZplusINT housing against a wall or flat surface. See Figure 3.

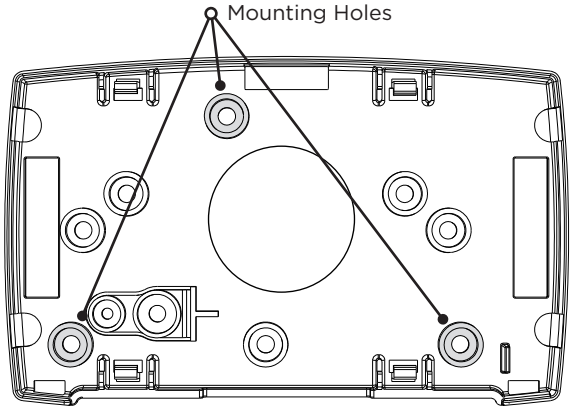

Figure 3: 738ZplusINT Housing with Mounting Holes

3 WIRE THE 738ZplusINT

The 738ZplusINT has four wire connections to connect to the panel's keypad bus. See Figure 4.

1. Connecting the wires to the 738ZplusINT terminals.
    a. Connect the wire that delivers power to the module to the **RED** terminal.
    b. Connect the wire that sends data from the module to the **YEL** terminal.
    c. Connect the wire that receives data from the panel to the **GRN** terminal.
    d. Connect the ground wire to the **BLK** terminal.
2. Carefully place the 738ZplusINT PCB back into the housing, and then snap the housing cover into place.
3. At the panel, connect the wires to the keypad bus corresponding terminals.

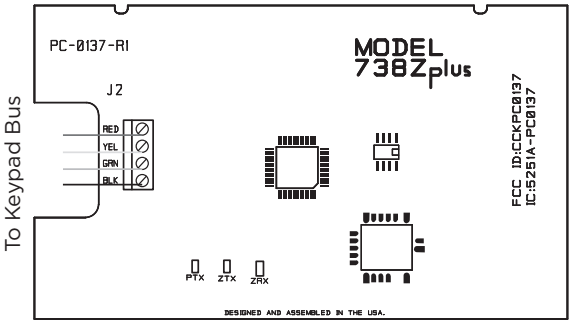

Figure 4: 738ZplusINT Module Wiring Connections

4 ADD DEVICES

After wiring the 738ZplusINT to the panel, use a DMP keypad to program Z-Wave Plus devices into the panel through the User Menu Z-Wave Setup option. This allows users to add devices through the User Menu or the Virtual Keypad™ app after installation. When possible, have the Z-Wave device near the module during setup and programming.

When programming Z-Wave devices into an XT30INT or XT50INT panel with Version 171 or higher, you can add multiple devices at once. If you add multiple devices at once, then you will name each device after they have all been added.

Note: To add the 738ZplusINT to an existing network, use the **LRN** (Learn) function.

1. Press **CMD** until **MENU? YES NO** appears, then press **YES**.
2. Press **CMD** until **ZWAVE SETUP?** appears. Press any select key or area.
3. Select **ADD**. The screen displays **PROCESSING**.
4. When prompted, press the button (or series of buttons if adding a thermostat) on the device you are adding.
5. The keypad displays that the device has connected to your system.

5 REMOVE OR REPLACE DEVICES

If a device fails, users can remove or replace the device through the User Menu.

1. Press **CMD** until **MENU? YES NO** appears, then press **YES**.
2. Press **CMD** until **ZWAVE SETUP?** appears. Press any select key or area.
3. Select **LIST** and press **CMD** until the device you are removing or replacing displays. Then, press any select key or area to select the device.
4. Select **STATUS**. The status of the device displays as either **OKAY** or **FAILED**. If the device fails, **REMOVE FAILED DEVICE** displays.
5. Select **YES** to remove the device. Press the second select key or area to replace the device.
6. If you chose to replace the device, **PROCESSING** displays.
7. When prompted, press the button (or series of buttons if adding a thermostat) on the replacement device.
8. The keypad displays that the device has connected to your system.

Note: The replacement device keeps the original device's name.

ADDITIONAL INFORMATION

LED Operation

The 738ZplusINT has three LEDs on the PCB that allow you to determine what type of operation is occurring. See Figure 4 for LED locations.

- *PTX Green LED* - If the light is blinking, then data is being sent to the panel.
- *ZTX Green LED* - If the light is blinking, then data is being sent to Z-Wave Plus devices.
- *ZRX Yellow LED* - If the light is blinking, then data is being received from Z-Wave Plus devices.

Z-Wave Terminology

Primary Controller: This is the main device used to set up and control your Z-Wave network. There can only be one primary controller and it can be used to add or delete devices. A primary controller can be a portable device like a hand-held remote, a static controller (permanently installed & never moved), a Z-Wave enabled PC or a Z-Wave enabled Ethernet router/bridge.

Secondary Controller: The Z-Wave network supports multiple controllers so that additional Z-Wave remote controllers can be used throughout the home. If the secondary controller is the same brand and model as the primary, it will have all the same capabilities as the primary.

Home Control Network: The controllers and every Z-Wave device added with the primary controller are linked together into a wireless network. Each device in the network has a unique address assigned to it and cannot be activated by a neighbor's Z-Wave controller.

Light/Node/Device: Node is the technical term used to describe a Z-Wave device in a home control network. Please note that the terms "Node," "Device," and "Light" all refer to an individual Z-Wave enabled device and are interchangeable within the context of these instructions.

Z-Wave Certification

- The 738ZplusINT is a Z-Wave Security enabled device.
- The 738ZplusINT can be added to an existing network as a secondary controller using the Learn (LRN) process.
- The 738ZplusINT is compatible with Z-Wave devices from all manufacturers.
- The 738ZplusINT can perform a Factory Default Reset by initializing defaults in the panel programming menu.
- The 738ZplusINT only supports group one with a maximum of one node.
- The 738ZplusINT takes no action when a basic set command is received.

Initialize Defaults

Only use this procedure when the Z-Wave network primary controller is missing or otherwise inoperable. Follow these steps to initialize Z-Wave programming:

1. Reset the panel.
2. For the XR international Series, enter **2313** (DIAG) at a keypad and press **CMD** to access the panel **DIAGNOSTIC MENU**. For the XT International Series, enter **231** (DIA), and press **CMD**.
3. Press **CMD** until **INIT Z-WAVE** displays and press a top row select key or area.
4. Select **YES** when **Z-WAVE? NO YES** displays. **INIT SUCCESSFUL** displays when all Z-Wave programming has been initialized.

COMPATIBILITY

XT30INT/XT50INT Series Panels

738ZplusINT modules connected to DMP XT30/XT50 Series panels with Version 171 firmware or higher provide full Z-Wave Plus functionality. DMP XT30/XT50 Series panels with Version 125 or earlier provide standard Z-Wave functionality.

XR150INT/XR550INT Series Panels

738ZplusINT modules connected to DMP XR150/XR550 Series panels with Version 182 firmware or higher provide full Z-Wave Plus functionality. DMP XR150/XR550 Series panels with Version 181 or earlier provide standard Z-Wave functionality.

Note: If you are upgrading firmware for an XT30/XT50 Series or an XR150/XR550 Series panel that is already connected to a 738ZplusINT, you will need to initialize panel defaults to access Z-Wave Plus functionality. See the appropriate panel Programming Guide for more information on initializing defaults.

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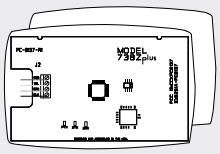

Specifications

Power Requirements	
Operating Voltage	8 to 14 VDC
Current Draw	40 mA
Frequency Range	868 MHz
Dimensions	11.43 cm W x 7 cm H x 4.5 cm D
Color	White
Housing Material	Flame retardant ABS

Certifications

Industry Canada:	5251A-PC0137R2
CE:	EN 300 220/489

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

LT-1608INT 19345

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