738Zplus Z-WAVE INTERFACE MODULE
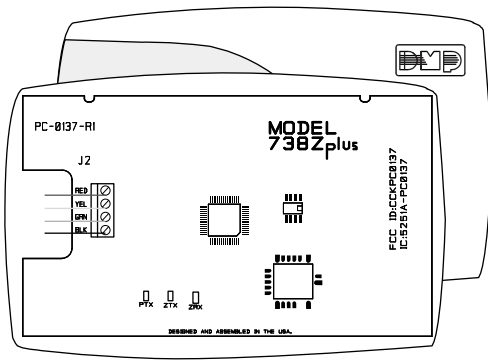## *Installation Guide*

Figure 1: 738Zplus Z-Wave Interface Module

DESCRIPTION

The 738Zplus Z-Wave Interface Module allows DMP panels to communicate with up to 232 Z-Wave or Z-Wave Plus devices, such as light controls, light bulbs, door locks, garage door openers, and thermostats.

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

The 738Zplus connects to the panel's keypad bus and takes control of the system's Z-Wave Plus devices using an integrated wireless network. Devices can be remote controlled from smartphones using the DMP Virtual Keypad™ app, or from any mobile device using MyAccess™ text commands.

What is Included?

One model 738Zplus with housing and a hardware pack

Compatibility

The 738Zplus module is compatible with:
- DMP XT30/XT50 Series panels, Version 171 or higher
- All Z-Wave and Z-Wave Plus devices

1 SELECT THE LOCATION

Select a central location for the 738Zplus Z-Wave Interface Module. Keep in mind that at least one Z-Wave Plus device must be within 65 feet of the 738Zplus. 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.

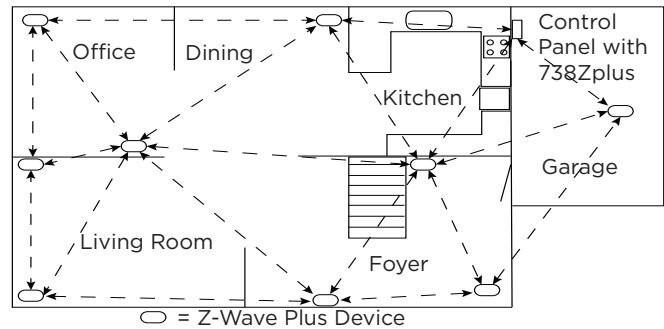**Note:** Place the module away from large, metal objects to avoid interference with the Z-Wave Plus signal.

Figure 2: Example Z-Wave Plus Transmission Routes

2 MOUNT THE 738Zplus

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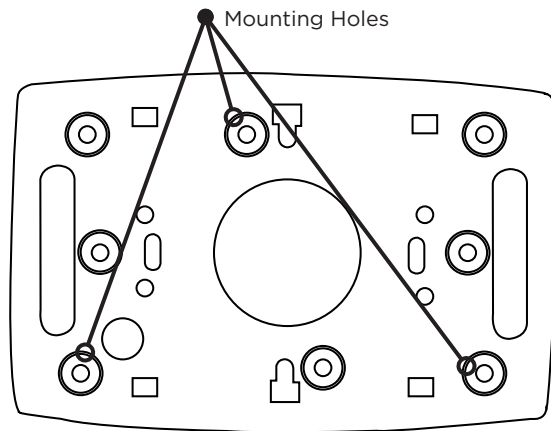

Figure 3: 738Zplus Housing with Mounting Holes

3 WIRE THE 738Zᴘʟᴜs

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

1. Connecting the wires to the 738Zplus 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 738Zplus PCB back into the housing, and then snap the housing cover into place.
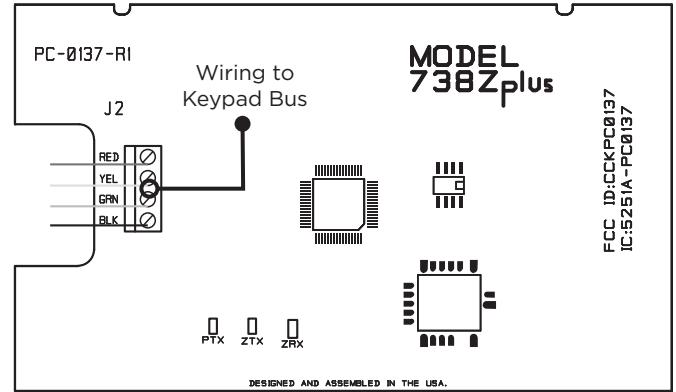3. At the panel, connect the wires to the keypad bus corresponding terminals.

Figure 4: 738Zplus Module PCB & Connections

4 ADD DEVICES

After wiring the 738Zplus 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 738Zplus during setup and programming.

Note: When programming Z-Wave devices into a XT50 or XTLplus panel, 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.

1. Open the Keypad menu, press **CMD** until **MENU? YES NO** appears, and then press **YES**.
2. After accessing the User Menu, press **CMD** until **ZWAVE SETUP?** appears. Press any select key/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 through the 738Zplus.

ADDITIONAL INFORMATION

LED Operation
See Figure 4.
- *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 Certification
- The 738Zplus is a Z-Wave Security enabled device.
- The 738Zplus can be added to an existing network as a secondary controller by using the **XFER** (transfer) process and selecting secondary from the primary controller.

  Note: See the Z-Wave setup section of your control panel user guide for more information.

- The 738Zplus is compatible with Z-Wave Plus devices from all manufacturers.
- The 738Zplus can perform a factory default reset by initializing defaults in the panel programming menu.

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:

- 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.

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.

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.

Specifications

Power Requirements

Operating Voltage	8.0 to 14VDC
Current Draw	35mA
Frequency Range	908 MHz
Dimensions	4.5"W x 2.75"H x 1.75"D
Color	White
Housing Material	Flame retardant ABS

Certifications

Z-Wave Certification:	ZC08-14080002
FCC Part 15 ID:	CCKPC0137
Industry Canada:	5251A-PC0137

Z-Wave Device Compatibility

Z-Wave GE Light Control Modules with and without dimmer
   (ex. DMP Z-45602 and Z-45603)
Z-Wave Kwikset and Schlage Deadbolt and Lever Locks
   (ex. DMP Z-99100)
Z-Wave Trane or 2-GIG Thermostats
   (ex. DMP Z-TSEMT400BB3X or 2-GIG Z-STAT)
Z-Wave Portable Controllers
   (ex. GE 45601)
Z-Wave Toggle Style Auxiliary Switch
   (ex. DMP Z-45604)
Z-Wave In-Wall Dimmer Switch
   (ex. DMP-Z45605)
Z-Wave In-Wall Toggle Style On/Off Relay Switch
   (ex. DMP Z-45606)
Z-Wave Garage Door Controller
   (ex. DMP Z-GD00Z-4)