Safety Suggestions

Read and Follow Instructions. Read all safety and operating instructions before operating the unit.
Retain Instructions. Keep the safety and operating instructions for future reference.
Heed Warnings. Adhere to all warnings on the unit and in the operating instructions.
Heat. Keep the unit away from heat sources such as radiators, heat registers, stoves, etc., including amplifiers that produce heat.
Power Sources. Use only power sources of the type described in the operating instructions, or as marked on the unit.
Water and Moisture. Do not use the unit near water—for example, near a sink, in a wet basement, near a swimming pool, near an open window, etc.
Object and Liquid Entry. Do not allow objects to fall or liquids to be spilled into the enclosure through openings.
Servicing. Do not attempt any service beyond that described in the operating instructions. Refer all other service needs to qualified service personnel.
Damage Requiring Service. The unit should be serviced by qualified service personnel when:

- Objects have fallen or liquid has been spilled into the unit.
- The unit has been exposed to rain.
- The unit does not appear to operate normally or exhibits a marked change in performance.
- The unit has been dropped or the enclosure has been damaged.

Service & Support

If you are encountering any problems or have a question about your Pro Control product, please contact Pro Control Technical Support for assistance.

Pro Control provides technical support by telephone, fax or e-mail. For the highest quality service, please have the following information ready, or provide it in your fax or e-mail.

- Your Name
- Company Name
- Telephone Number
- E-mail Address
- Product model and serial number (if applicable)

If you are having a problem with hardware, please note the equipment in your system, a description of the problem, and any troubleshooting you have already tried.

If you are having a problem with software, please note what version you have installed, the operating system on your PC, a description of the problem, and any troubleshooting you have already tried. If you are calling about a software or programming question or problem, please be at you computer when you place your call. This will considerably speed up the troubleshooting process.
Please do not return products to Pro Control without return authorization.

Contacting Pro Control

Pro Control is a division of Remote Technologies Inc. For information on how to become a trained and authorized Pro Control Dealer, access to the Pro Control Studio programming software, product information and more, please visit our web site at: **www.procontrol.com**

For general information, you can contact Pro Control at:

Pro Control
5775 12th Ave. E Suite 180
Shakopee, MN 55379
Tel. (952) 224-5024
Fax (952) 253-3131

Sales
952-224-5010
Email: info@procontrol.com

Customer Service
952-224-5020
Email: service@procontrol.com

Technical Support
952-224-5024
Email: support@procontrol.com

Limited Warranty

Pro Control warrants its products for a period of one (1) year (90 days only for included battery packs); or for a period of time compliant with local laws when applicable from the date of purchase from Pro Control or an authorized Pro Control distributor.

This warranty may be enforced by the original purchaser and subsequent owners during the warranty period, so long as the original dated sales receipt or other proof of warranty coverage is presented when warranty service is required.

Except as specified below, this warranty covers all defects in material and workmanship in this product. The following are not covered by the warranty:

Damage resulting from:

1. Accident, misuse, abuse, or neglect.
2. Failure to follow instructions contained in this Guide.
3. Repair or attempted repair by anyone other than Remote Technologies Incorporated.
4. Failure to perform recommended periodic maintenance.
5. Causes other than product defects, including lack of skill, competence or experience of user.
6. Shipment of this product (claims must be made to the carrier).
7. Being altered or which the serial number has been defaced, modified or removed.

Federal Communications Commission Notice

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

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 the 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.

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.
2. This device must accept any interference received including interference that may cause undesired operation.

Industry Canada Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received including interference that may cause undesired operation.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes:

1. Ce dispositif ne peut causer des interférences nuisibles.
2. Cet appareil doit accepter toute interférence reçue y compris des interférences qui peuvent provoquer un fonctionnement indésirable.

Contains:
FCC ID: D87-ZM5304-U
IC ID: 11263A-ZM5304

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PRO CONTROL

Pro.zwi

Z-WAVE® INTERFACE

Quick Reference Guide

The Pro.zwi Z-Wave interface pairs with Pro Control's ProLink.z processor to control and monitor a broad range of electronics in any installation, including lighting, door locks, security devices, window shades, thermostats and other Z-Wave-enabled devices.

Key Features

- Wireless control and monitoring of Z-Wave lighting devices via the Pro Control system.
- Certified as a Z-Wave Plus product, ensuring seamless interoperability with Z-Wave devices.
- Compatible with a broad range of Z-Wave certified electronics including door locks, security devices, window shades, thermostats and more.
- Expandable and scalable system allows control of more than 200 devices.
- Programmed using Pro Control Studio software.
- Powered via PoE (Power over Ethernet) or included power supply.

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Pro.zwi

Z-WAVE INTERFACE

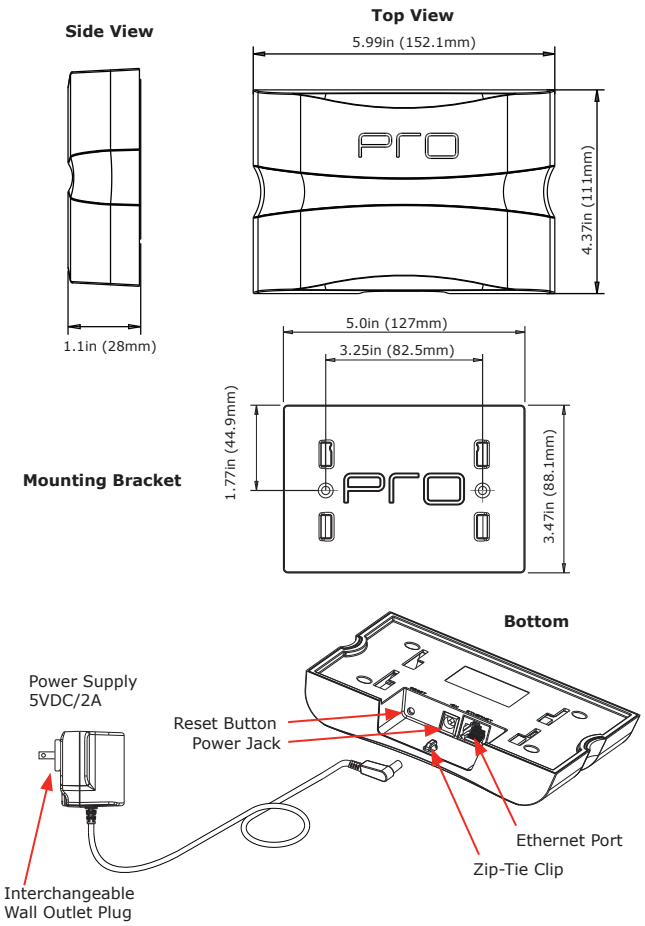
Get more control®

Product Contents

Contents within the box include the following items:

- One (1) Pro.zwi assembly
- One (1) Mounting bracket and screws (Two #6-32 3/4" flathead screw)
- One (1) 5VDC/2A power supply kit
- One (1) Quick reference guide

Pro.zwi Reference



Powering the Pro.zwi

The Pro.zwi can be powered using the included power supply or Power over Ethernet (PoE).

- **Ethernet Port (Power over Ethernet):** Wire a Cat-5 cable from the Pro.zwi Ethernet Port to an 802.3af compliant PoE switch (Class #2). NOTE: Using a non-compliant PoE source may damage the Pro.zwi.

- OR -

- **Power Supply** (+5VDC, 2A)

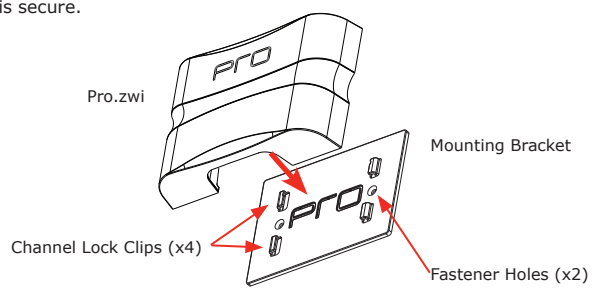
1. Install the appropriate wall outlet plug on to the included power supply and plug into a wall outlet.
2. Plug the power supply connector into the Pro.zwi +5V power jack.
3. The Pro.zwi power cable can be secured by using a zip-tie (not included) looped through the zip-tie clip located on the underside of the Pro.zwi.

Mounting

The Pro.zwi should be located on a secure, flat surface, or mounted to a wall, shelf, or cabinet using the enclosed mounting bracket.

Mounting Bracket Installation

1. Level and anchor the mounting bracket to desired wall, shelf, or cabinet by screwing appropriate fasteners (two #6-32 3/4" flathead screws included) through the mounting plate fastener holes.
2. Affix the Pro.zwi to the mounting plate by placing the channel locks located on the rear of the unit over the channel lock clips located on the front of the mounting plate. Slide the Pro.zwi downward until the unit is secure.



Communication

The Pro.zwi communicates with a ProLink.z control processor via the Ethernet network (LAN).

1) **Connect to the Ethernet network:** Connect a Cat-5 cable to the Pro.zwi Ethernet port and the LAN router/switch. The Pro.zwi will receive an IP address from the network router via DHCP. The "NET LINK" light on the front of the Pro.zwi will blink to indicate a connection to the LAN.
2) **Add Pro.zwi to the Pro Control Studio system file:** Open the system file, click on the ProLink.z processor and add the Pro.zwi as an expansion device under the "Expansion" tab.
3) **Enter the MAC address of the Pro.zwi:** Click on the Pro.zwi and select "Edit Expansion Device" and follow the directions on the screen. (The MAC address is printed on the backside of the unit.)

ETHERNET SETTINGS (IP Address)

Setting a static IP address on the Pro.zwi is unnecessary and not recommended. For information on setting Pro.zwi IP address settings, visit the dealer area of the Pro Control website.

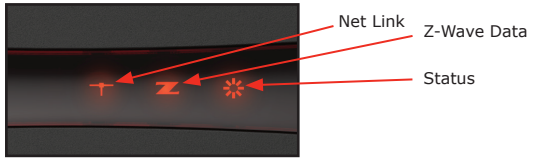
NOTE: If static IP address settings are incorrect the Pro.zwi will not operate.

How to reset Pro.zwi to DHCP

If the Pro.zwi is not functioning or is not accessible via the LAN it may be necessary to reset the unit to DHCP.

1) Press and hold the RESET button.
2) Power the Pro.zwi with the power supply.
3) Hold the RESET button for 5 seconds.

Operation Status Lights



- **NET LINK Light:** Flashes to indicate Ethernet network activity.
- **Z DATA Light:** Flashes to indicate Z-Wave network activity.
- **STATUS Light:** Flashes to indicate the unit has been powered. Lit solid indicates the unit is powered and communicating with a Pro Control processor via the Ethernet network.

Programming the Pro.zwi

Z-WAVE NETWORK CONFIGURATION QUICK REFERENCE

For complete instructions on Z-Wave network setup and device programming visit Pro Control dealer website.

- **Product Inclusion**
  Start the Add/Include process by selecting Device-Add/Include from the Z-Wave Manager main menu or by selecting the Add/Include button on the main toolbar. It may take a few moments for the device to show up in the list depending on how many devices are already in the network and what type of device is being added. When a device is successfully added you will also hear a beep sound from the computer (if PC sound is enabled).
- **Product Exclusion**
  Start the Remove/Exclude process by selecting Device-Remove/Exclude from the Z-Wave Manager main menu or by selecting the Remove/Exclude button on the main toolbar. Once the dialog box appears, activate the exclude process on the device (see the device documentation for more details). As devices are removed from the Z-Wave network they are removed from the Z-Wave Manager Device List.

Pro.zwi Learn Mode

If the Pro.zwi is going to be installed in a Z-Wave network with an existing controller, follow these steps to set the learn mode as the primary or secondary controller.

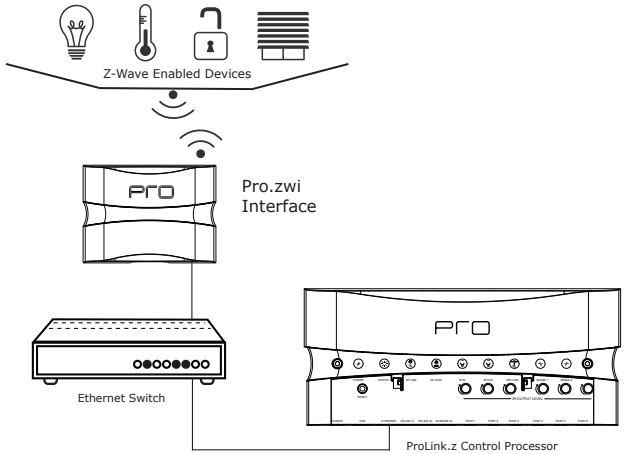
- **Adding the Pro.zwi as the Primary Controller**
  First activate the "include" process on the existing Primary Controller. In the Z-Wave Manager software, select the "Become Primary" Learn Mode on the Controller toolbar to activate the Pro.zwi.
- **Adding the Pro.zwi as a Secondary Controller**
  First activate the "include" process on the existing Primary Controller. In the Z-Wave Manager software, select the "Become Secondary" Learn Mode on the Controller toolbar to activate the Pro.zwi.

The Lifeline Association Group

The Pro.zwi supports the Lifeline Association Group. This enables the Pro Control system to receive the critical notifications from Z-Wave devices in the network. Z-Wave Plus devices are automatically associated with the Pro.zwi as each is added to the network. Therefore, when a frame is received such as from a smoke alarm, it is passed on to the ProLink.z processor for use within the Pro Control system. The Lifeline Signals are processed just like unsolicited messages.

Pro.zwi Reset to Defaults Description

NOTE: Use the reset procedure only when the primary controller is missing or inoperable.

Start the Pro.zwi reset process by selecting Reset Controller/Start New Installation from the Z-Wave Manager main menu or by selecting the Reset Controller/Start New Installation button on the main toolbar. The Pro.zwi will become the primary controller, all Z-Wave devices will be removed from its memory and a new HomeID will be assigned.

Example Wiring Diagram