

**PTZIM
(SA12140)****PassPoint Zone Input Module**

INSTALLATION INSTRUCTIONS

General Information

The Zone Input Module (ZIM) provides additional input functions for the PassPoint Access Control System. It provides eight zone inputs, each capable of a supervised (3 or 4 state) or unsupervised (2 state) configuration. Similar to other PassPoint modules, the ZIM mounts in a standard system cabinet and communicates with the system's MLB via a twisted pair network connection.

Power Requirements

When mounted in a cabinet with a dedicated power supply, the ZIM obtains its power from the LOCAL (J1) power output connection of its associated power supply. When mounted in a cabinet along with an MLB, DCM or QRM, the ZIM obtains its power from the REMOTE (J5) power output connection of its associated power supply.

The ZIM requires 10.5-14VDC @ 100mA. The ZIM also provides two power supply monitoring inputs: Low Battery and AC Loss. These two inputs are compatible with the corresponding monitoring outputs of the PassPoint PTDPSU power supply. (Do not enable AC or Low Battery monitoring without first wiring the power supply.)

ZIM Zone Inputs

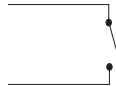
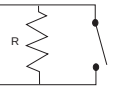
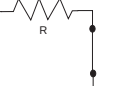
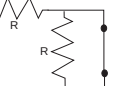
All zone inputs on the ZIM can only be configured as "uncommitted." That is, they can never be assigned to an access point as Door Status Monitoring or Request to Exit zones. The zone inputs provided by the ZIM are for supplemental functions, such as signaling certain conditions. For example, you can use the ZIM zone inputs for burglary functions, or as triggers for event/action relationships.

ZIM inputs can be configured in one of six ways:

- Normally Open
- Normally Closed
- EOLR (End of Line Resistor) Normally Open
- EOLR Normally Closed
(EOLR zones require Ademco's standard 2k ohm end of line resistors)
- EILR (End In-line Resistor) Normal Open
- EILR Normally Closed

Note: EOLR requires one 2k ohm resistor. EILR requires two 2k ohm resistors.

The following table details the various configuration options for ZIM zone inputs:

Zone States	TWO STATE ZONE (unsupervised)		THREE STATE ZONE (EOLR supervised)		FOUR STATE ZONE (EILR supervised)	
Normal Sensor State	Normally Open (N.O.)	Normally Closed (N.C.)	Normally Open (N.O.)	Normally Closed (N.C.)	Normally Open (N.O.)	Normally Closed (N.C.)
0 (short)	FAULT	NORMAL	FAULT	TROUBLE	TROUBLE (SHORTED)	TROUBLE (SHORTED)
R	NA	NA	NORMAL	NORMAL	FAULT	NORMAL
2R	NA	NA	NA	NA	NORMAL	FAULT
infinite (open)	NORMAL	FAULT	TROUBLE	FAULT	TROUBLE (OPEN)	TROUBLE (OPEN)
Sensor Connections						

Installing the ZIM in a Cabinet

There are two basic ways in which a ZIM can be mounted in system cabinets. The first way is to mount the ZIM in a cabinet along with a power supply and a Main Logic Board or Door Control Module. In this case, the ZIM mounts on top of the MLB or DCM on standoffs, as shown in Figure 1.

If there is an MLB, DCM or QRM in the cabinet, the ZIM gets its power from the power supply's REMOTE power output, J5. The MLB/DCM/QRM will get power from J1 (LOCAL).

Alternatively, a ZIM can be mounted in a separate cabinet with a dedicated power supply, as shown in Figure 2. In this configuration, the power supply must be mounted first, since its mounting clips will be used for the ZIM. The dedicated power supply provides power to the ZIM from its LOCAL power output, J1. But it can also provide power to another ZIM through its REMOTE power output, J5. Therefore, another ZIM can be mounted in the cabinet. The second ZIM mounts on top of the first ZIM on standoffs (see Figure 3).

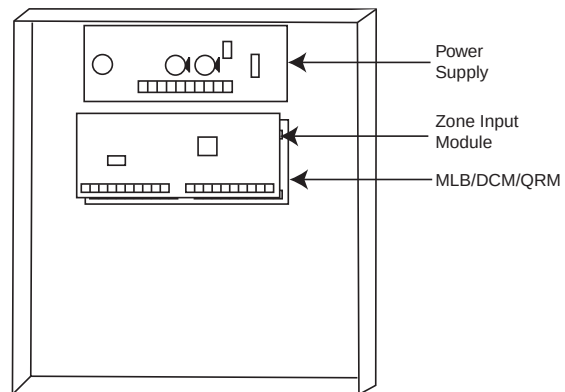


Figure 1 - Cabinet with MLB/DCM/QRM, ZIM and Power Supply

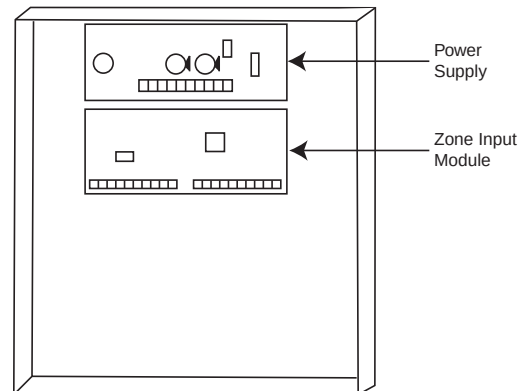


Figure 2 - Cabinet with ZIM and Power Supply

Mounting the Zone Input Module on another module

This procedure assumes you have already mounted a power supply and another module (e.g. a DCM) in a system cabinet. For this discussion, we will assume you are mounting the ZIM to a DCM.

1. Secure six standoffs to the DCM using hardware provided.

There are holes in each corner and center of the DCM to accommodate the standoffs. Standoffs are secured to the DCM using screws and lock washers.

2. Position the ZIM on top of the DCM standoffs and push down gently.
Pushing down on the ZIM will lock it onto the standoffs.

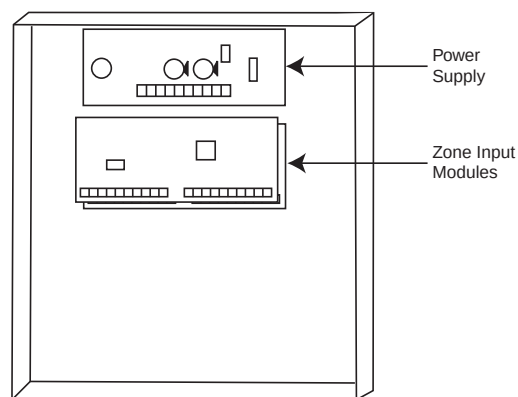


Figure 3 - Cabinet with 2 ZIMs and Power Supply

Mounting the Zone Input Module without another module

1. If you haven't done so already, mount a power supply in the cabinet.

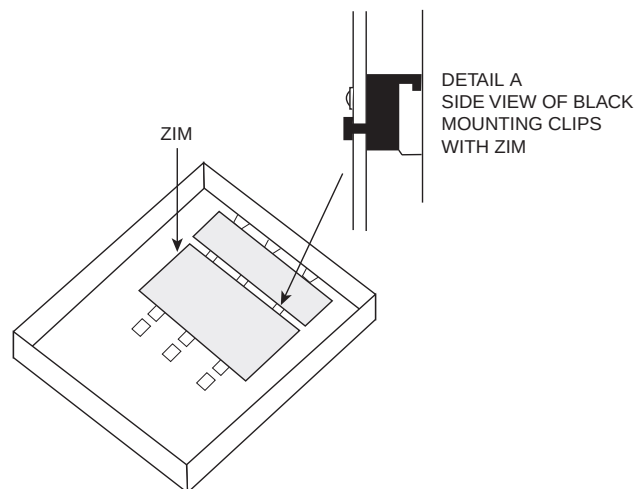
Each ZIM you mount must have access to power from a PassPoint power supply.

2. Hang three black mounting clips (provided) on the three middle raised cabinet tabs.

The middle raised cabinet tabs are the row of tabs second from the bottom of the cabinet.

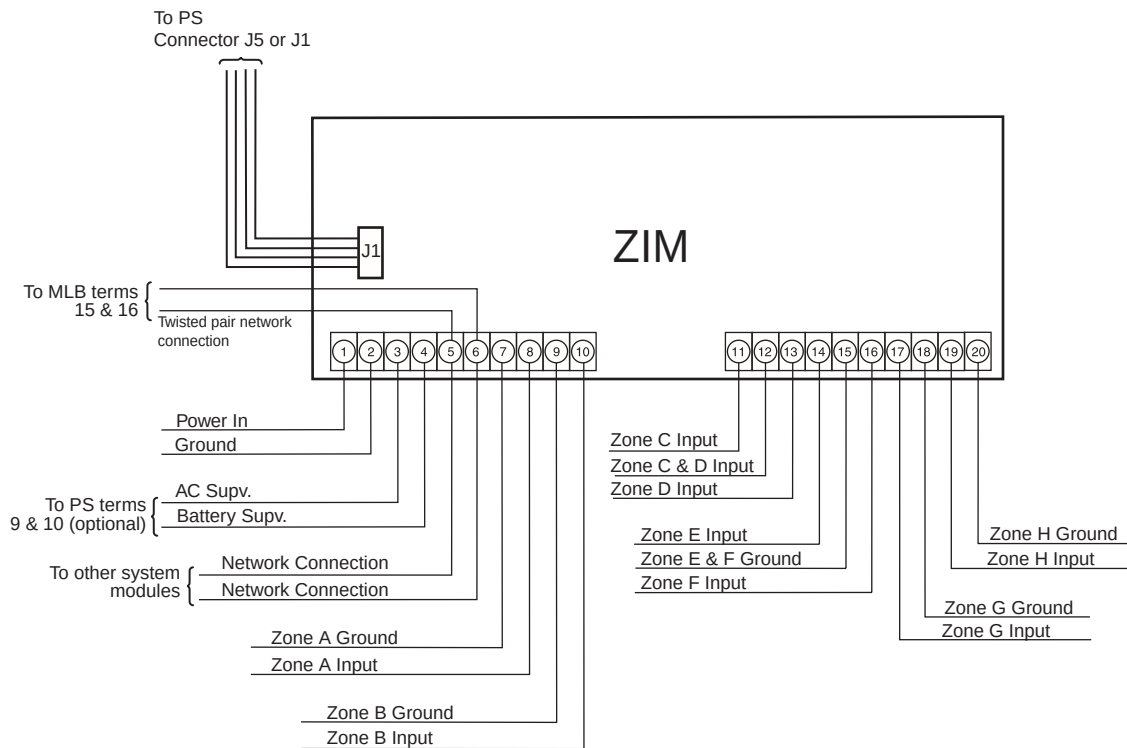
3. Insert the top of the ZIM into the slots at the bottom of the *power supply's* mounting tabs.

The power supply has also been mounted to the cabinet using black mounting tabs. At the bottom of these tabs are grooves into which the top edge of the ZIM fits.



4. Swing the base of the ZIM into the lower black mounting clips and secure the board to the cabinet with the accompanying screws.

ZIM Connections



Zone Input Module Connections

ZIM LEDs

Yellow: Blinks for 1 second during enrollment process. If this LED blinks or is on at any other time, there is a hardware problem. However, expect this LED to blink briefly when power is applied.

Green: Three blinks = OK. Any other pattern indicates hardware problem.

Enrolling and Configuring the ZIM

Once the ZIM has been mounted and connected, it needs to be enrolled into the system and configured. Refer to the *PassPoint Express Installation and Setup Guide* (N8949) or the *PassPoint Plus Installation and Setup Guide* (K4879) for information on enrolling and configuring Zone Input Modules.

Warranty Information

For complete warranty information about this module and the entire PassPoint system, refer to the documentation accompanying your PassPoint system.



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