

Features

- 4 Class B or 2 Class A Field Selectable Speaker Circuits
- 25/70 Vrms Field Selectable
- Configurable with EVX-SL8 for Zone Selection
- Smart Power detection, provides short circuit protection
- Up to 64 circuits on a system
- Up to 50W on any circuit at 70V



Description

The Evax EVX-ZM is a supervised Zone Module. It is used in conjunction with the EVAX 25/50/100/150/200 to enable separately supervised and protected circuits from a single speaker output. The EVX-ZM is standardly configured for 4 Class B circuits, but may be converted to 2 Class A with the flip of a switch. The EVX-ZM may be ganged together to provide a maximum of 64 Class B circuits.

The EVX-ZM in standard operating mode is strictly All Call. On any Page, Alarm or Message function all circuits are active. If separate Zoning is required, an EVX-SL8 may be employed to provide both Zone and Message selection. Additionally, the EVX-ZM has inputs which may be activated by a N.O. Dry contact for Zone selection.

Each speaker circuit employs a smart power metering to insure short circuit conditions are isolated from the other circuits. Each circuit is rated 50W @ 70V and 40W @25V

If separate inputs are needed for Message selection, an EVX-IL8 can easily be configured for external contacts.

Technical Specifications

| EVX-ZM | |
|------------------|--------|
| Standby Current | 0.051A |
| Active Current | 0.80A |
| All Call Current | 0.130A |
| EVX-SL8 | |
| Standby Current | 3.0mA |
| Active Current | 3.23mA |
| All Call Current | 5.16mA |
| EVX-IL8 | |
| Standby Current | 3.0mA |
| Active Current | 3.4mA |
| All Call Current | 5.2mA |
| EVX-OL8 | |
| Standby Current | 3.0mA |
| Active Current | 6.5mA |
| All Call Current | 28.0mA |

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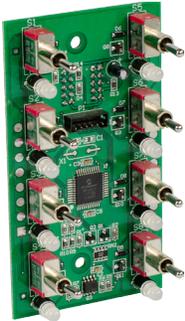
If there is a need for separate monitoring or triggers, an EVX-OL8 can provide N.O. Contacts or Voltage drives for external systems. The EVX-OL8 will provide output control that may be assigned to a switch, input or function like Alarm, Message or PTT.

The EVX-ZM, EVX-SL8, EVX-IL8 and the EVX-OL8 all tie together with a simple ribbon cable. Zone, Switch, Input and Output cards may be used in any combination with a maximum quantity of 16.

EVX-SL8 LED Switch Card

Current draw (On primary module battery back-up): 3mA (Standby), 5.16mA (All Call)

- 8 Momentary switches
- 8 Tri-color LED's (Green/Red/Amber)



The EVAX EVX-SL8 LED Switch Module provides switch selection for message activation, paging, and control functions. When used in conjunction with the EVX-ZM zone module, the SL8 can be programmed for page zone control. LEDs for switches assigned to page zones will indicate Red for page and flashing Red for alarm. The LED will indicate Amber if the associated speaker circuit is in a fault condition. Switches can be programmed to control corresponding points on the EVX-OL8. Switch LEDs will indicate steady Red on activation.

EVX-OL8 LED Output Card

Current draw (On primary module battery back-up): 3mA (Standby), 28mA (All Call)

- 8 Output points
- 8 Red LED's
- N.O. Dry contacts rated at 30mA @ 0-24VDC

The EVX-OL8 LED Output Module provides solid state N.O. dry contacts. It can also be separately tied to a voltage (0-24VDC), with that voltage used as a drive point or trigger. Outputs 1-4 and 5-8 may use different voltage references if desired. The EVX-OL8 outputs may be programmed to follow message activation, page zones, or specific functions like PTT, alarm, or control.



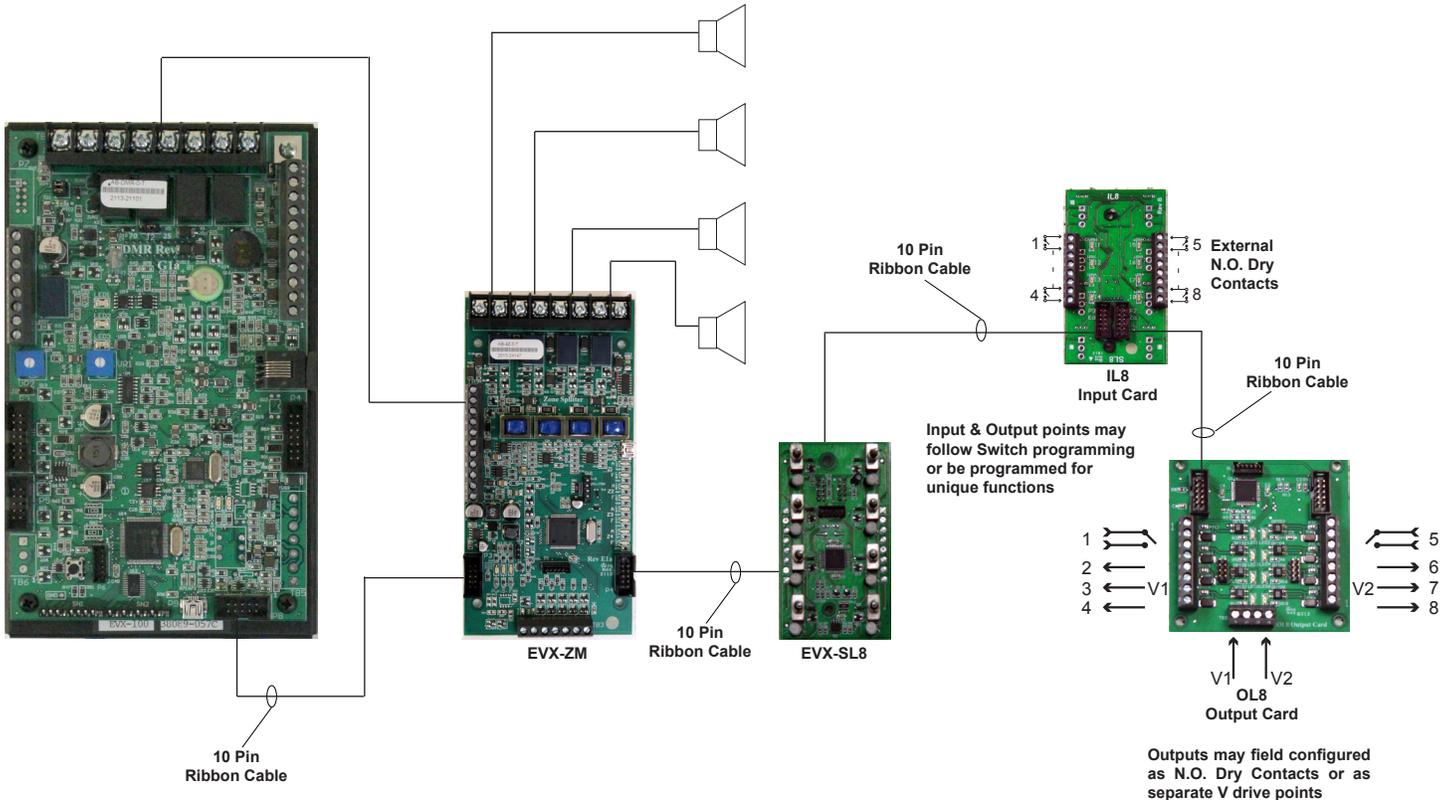
EVX-IL8 LED Input Card

Current draw (On primary module battery back-up): 3mA (Standby), 5.2mA (All Call)

- 8 Input points
- 8 Red LED's
- Programmable for multiple functions

The EVAX EVX-IL8 LED Input Module can be used for page zone control, message selection, and control functions. The inputs will accept external N.O Dry contacts. On activation, the corresponding LED will indicate red.





Live Page (Microphone) operation is typically All-Call. Alarm and Message operation will also default to All Call.

An EVX-SL8 Switch LED card can be added for Page/Message Zone control or Message selection. How the switches are used can be configured in the system programming.

When switches are programmed for Message selection, priority is automatically assigned by Switch number. Message assigned to Switch 1 is a higher priority than Switch 2. Switch 2 is a higher priority than Switch 3 and so on.

Optional IL8 Input and OL8 Output cards may be programmed to follow switch functions or be configured for unique control operations.

Input cards will typically be used for Message activation from an outside system such as Severe Weather Warnings.

Output Cards may have points configured to follow Zones, Messages or specific functions like PTT, Alarm or Control.

All Cards connect and communicate over 10 Pin Ribbon Cable, up to 16 ZM Zone Modules, SL8 Switch, IL8 Input or OL8 Output cards in any combination.

Ordering Information

| Description | Stock No. |
|---|--------------|
| Zone Module 4 Class B/2 Class A Speaker Circuits 25/70V | EVAX-ZM |
| 25W Voice System 4 Class B / 2 Class A Speaker Circuits | EVAX-25/4Z |
| 25W Voice System 8 Class B / 4 Class A Speaker Circuits Identical configurations work for the EVAX 50 / 100 CABINET101 14.5 x 18 x 4 | EVAX-25/8Z |
| 200W Voice System 8 Class B/4 Class A Speaker Circuits | EVAX-200/8Z |
| 200W Voice System 12 Class B/6 Class A Speaker Circuits | EVAX-200/12Z |
| 200W Voice System 16 Class B/12 Class A Speaker Circuits CABINET101 14.5 x 27 x 4 | EVAX-200/16Z |