

Installation Manual: EVAX EVX-25E/50E/100E Expander

NOTICE TO THE INSTALLER

This manual provides an overview and the installation instructions for the EVAX EVX-25E/50E/100E Expander

All terminals are power limited and should be wired in accordance with the requirements of NFPA 70 (NEC), NFPA 101 (Life Safety Code) and NFPA 72 (National Fire Alarm Code). Failure to follow the wiring diagrams in the following pages will cause the system to not operate as intended. For further information, refer to the control panel installation instructions.

The module shall only be installed with listed control panels. Refer to the control panel installation manual for proper system operation.

1. Description

The EVX-25E/EVX-50E/EVX-100E is a self contained amplifier, tone generator, power supply and supervisory interface. It is designed to be used in conjunction with the EVAX 25/50/100 to provide additional speaker output power. It may also be used stand alone in conjunction with a Fire Alarm Control Panel to provide voice evacuation where an automatic message is not desired.

Installation and operation is identical to the EVAX 25/50/100 (see 5403670 Installation Guide) with the exception that no digital message is present. When used in conjunction with the EVAX 25/50/100 the Expander will act as a slave reproducing the tone and message generated by the master. When used as a stand-alone, the Expander will connect to the FACP exactly as the EVAX 25/50/100 does to provide automatic tone in alarm and voice override capability.

All terminal designations and volume controls are identical to the EVAX 25/50/100. One exception is that on the Expander SN1 determines Tone, Master/Slave, Battery and Microphone supervision. There is no SN2.

2. Installation, Wiring and Programming

Install equipment in a clean, dry environment, avoid installation where equipment could be subjected to vibration. Remove electronic assemblies from the enclosure prior to any drilling or punching of the enclosure. Where possible, make all cable entries from the rear or sides. Before making any modifications to the enclosure, be certain that they will not interfere with assemblies or batteries.

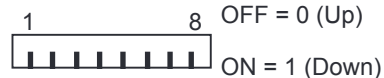
Ensure all power is off before making any wire connections. The guides below indicate how to change the settings on the Expander module using dipswitches built into the device. The diagrams on the following page indicate proper wiring for the EVX-25E/EVX-50E/ EVX-100E as well as the location of the dipswitches, labeled as SN1.

Factory defaults are:

Expander as Slave

- 1 = OFF Temporal Whoop Signal
- 2 = OFF
- 3 = OFF
- 4 = OFF
- 5 = OFF
- 6 = OFF Slave (ON = Master setting)
- 7 = ON Battery connected (OFF = No Batteries)
- 8 = OFF No Mic (ON = Mic connected)

Switch Network Detail



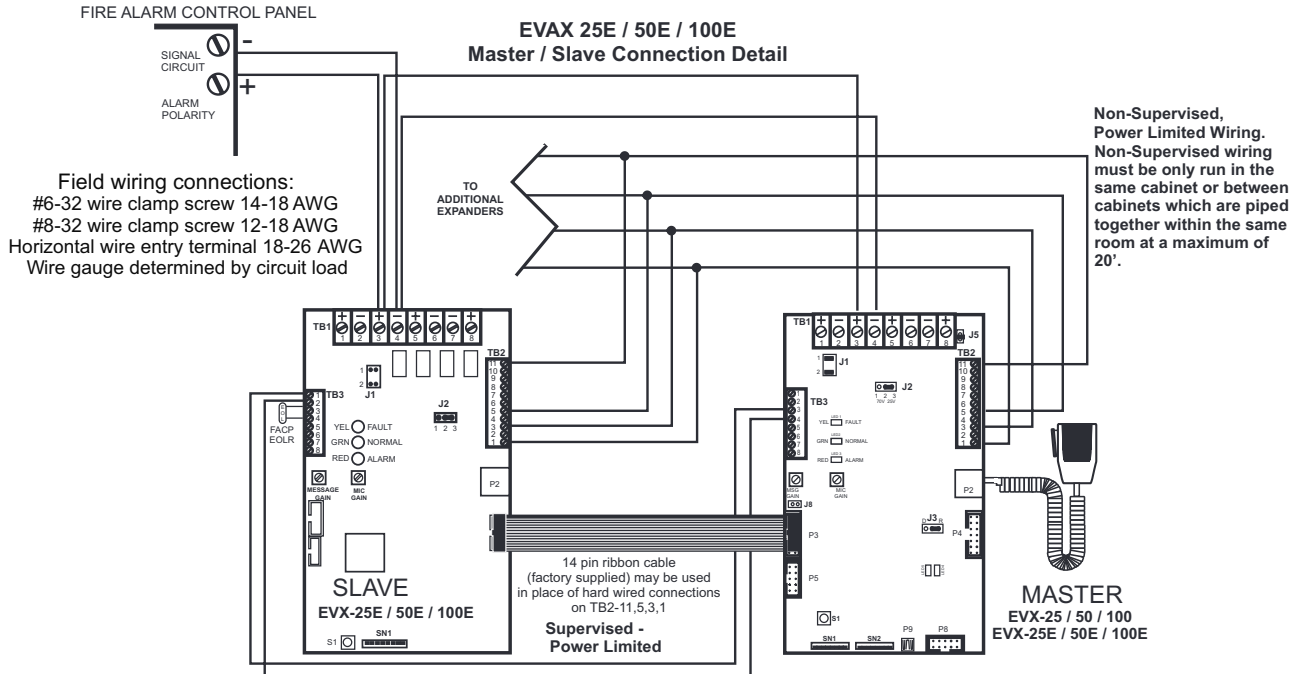
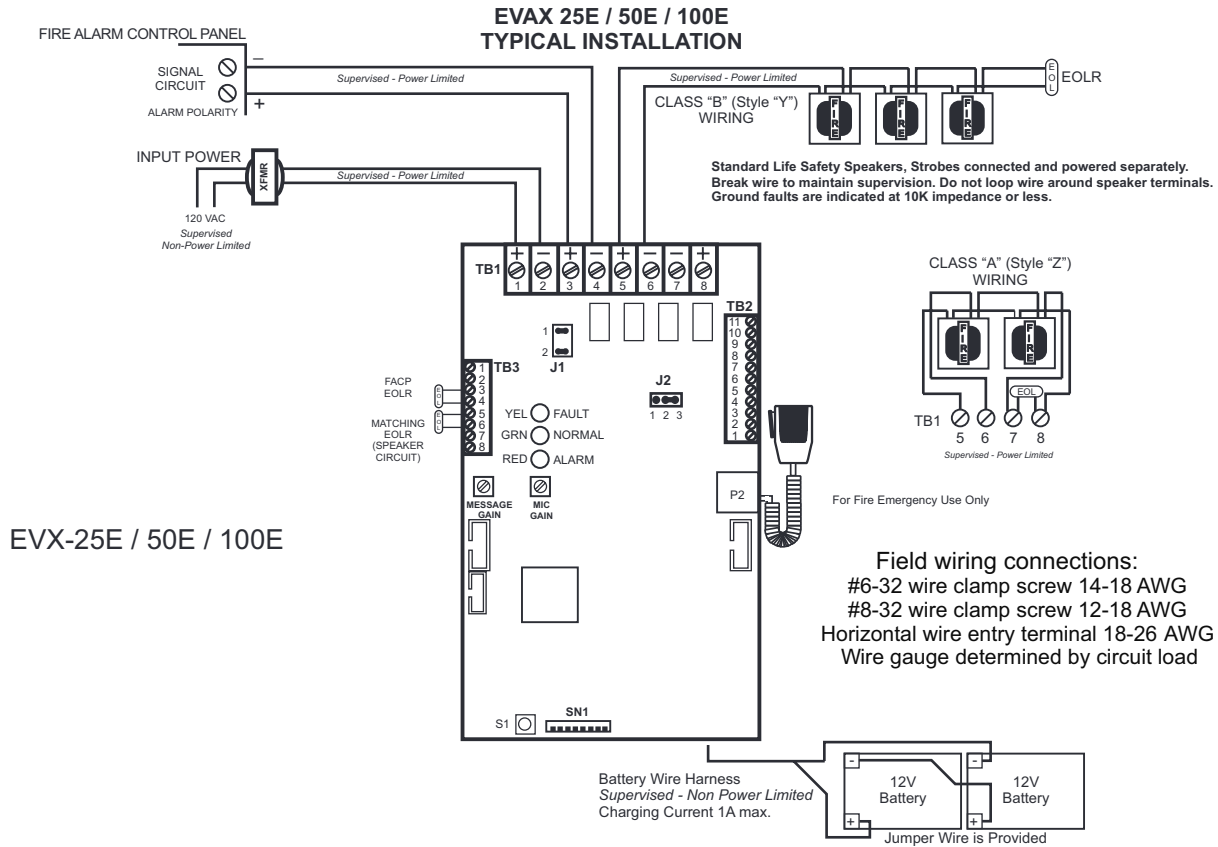
Expander as Master / Stand-Alone

- 1 = OFF Temporal Whoop Signal
- 2 = OFF
- 3 = OFF
- 4 = OFF
- 5 = OFF
- 6 = ON Master setting
- 7 = ON Battery connected (OFF = No Batteries)
- 8 = ON Mic connected

SN1 Tone Selection

SW 1 Sets the evac tone.
2 Settings: **0 Temporal Whoop**
1 Temporal Chime

For ratings and specifications see 5403670 Installation Guide Evax 25/50/100/150/200.



* NOTE: Switch SN1-6, SN1-8 must be in OFF position for all Slave modules.
 All Power and Speaker connections remain unchanged.
 J1 Shorting blocks removed from slave units for pass-through supervision.