

EVX-25E / EVX-50E / EVX-100E

EXPANDER

INSTALLATION INSTRUCTIONS

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 Installation Instructions P/N 1-5001 Rev. D). 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.

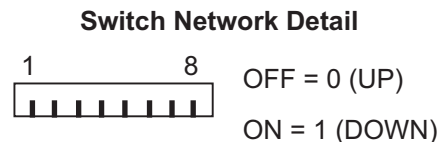
Factory defaults are:

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)



SN1

Tone Selection

SW 1/2/3

Sets the tone generated by the amplifier when it is operating in Master mode.

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

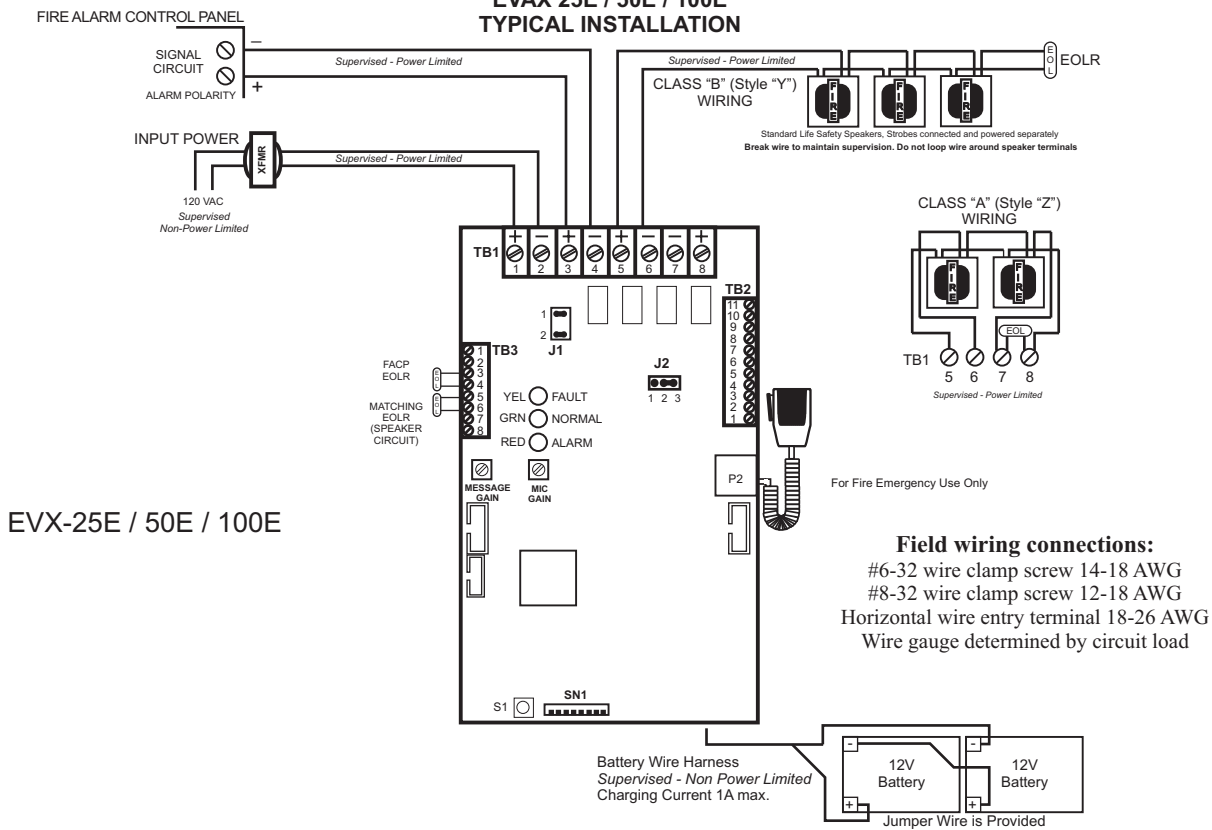
7 Settings:

- 0/0/0 Temporal Whoop
- 1/0/0 Hi / Lo Tone
- 0/1/0 Sine Wave
- 0/0/1 1 kHz Sine Wave
- 1/1/0 March Time Beep (880 Hz)
- 1/0/1 Slow Whoop
- 0/1/1 Code 3 Beep

For ratings and specifications see Evax 25/50/100 Installation Instructions P/N 1-5001 Rev. F



**EVAX 25E / 50E / 100E
TYPICAL INSTALLATION**



EVX-25E / 50E / 100E

Field wiring connections:
 #6-32 wire clamp screw 14-18 AWG
 #8-32 wire clamp screw 12-18 AWG
 Horizontal wire entry terminal 18-26 AWG
 Wire gauge determined by circuit load

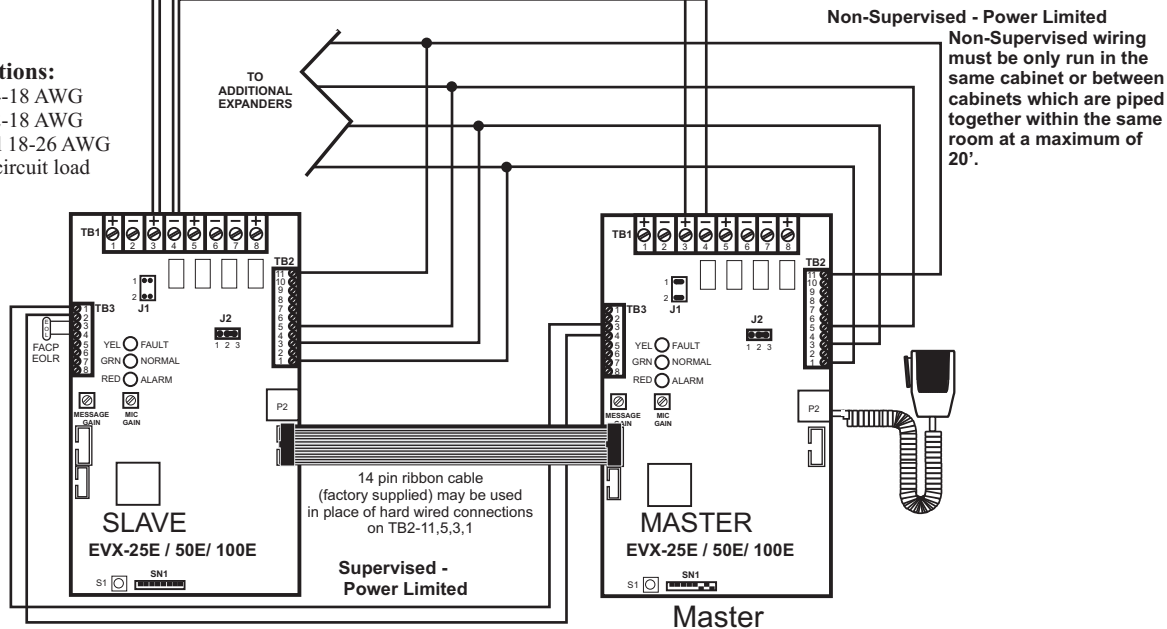
Battery Wire Harness
 Supervised - Non Power Limited
 Charging Current 1A max.

Jumper Wire is Provided

FIRE ALARM CONTROL PANEL

**EVAX 25E / 50E / 100E
Master / Slave Connection Detail**

Field wiring connections:
 #6-32 wire clamp screw 14-18 AWG
 #8-32 wire clamp screw 12-18 AWG
 Horizontal wire entry terminal 18-26 AWG
 Wire gauge determined by circuit load



* 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.

