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)

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

Switch Network Detail

OFF = 0 (UP)

ON = 1 (DOWN)

SN1 Tone Selection

SW 1/2/3 Sets the tone generated by the amplifier when it is operating in Master mode.

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

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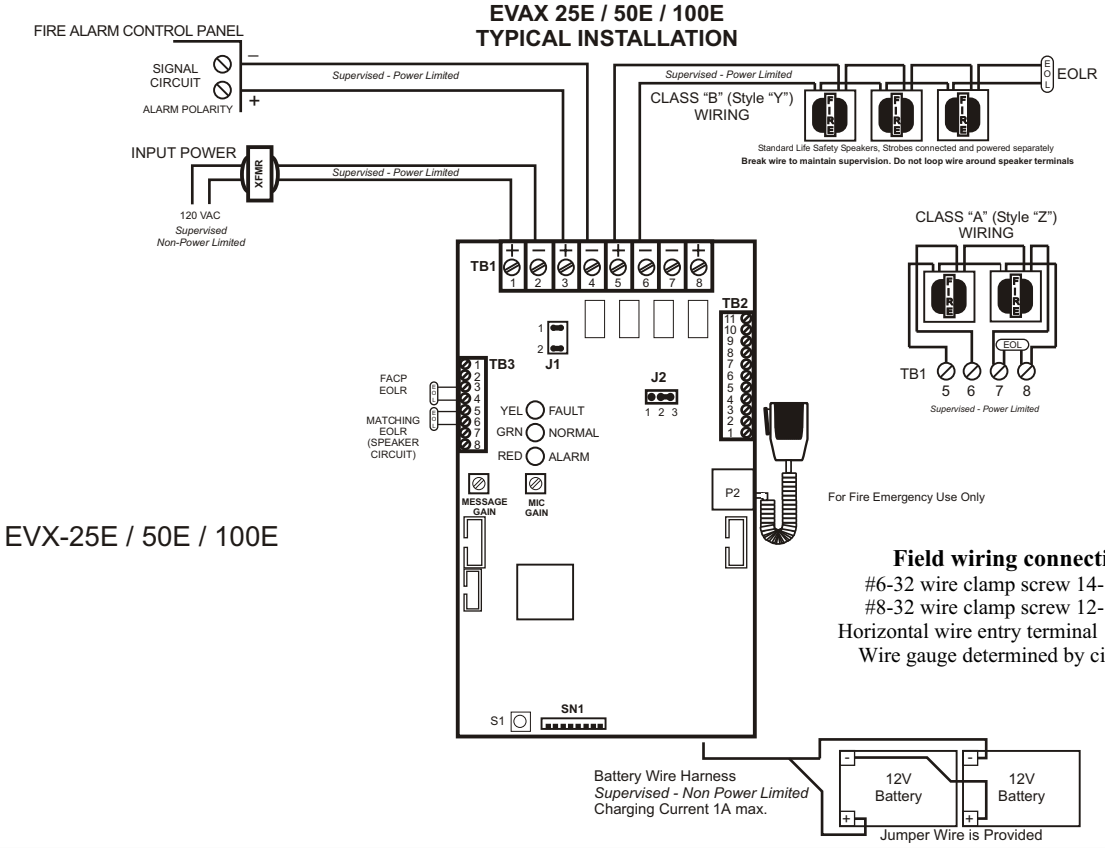
Customer Service: (800) 289-0096
Technical Support: (888) 886-6189

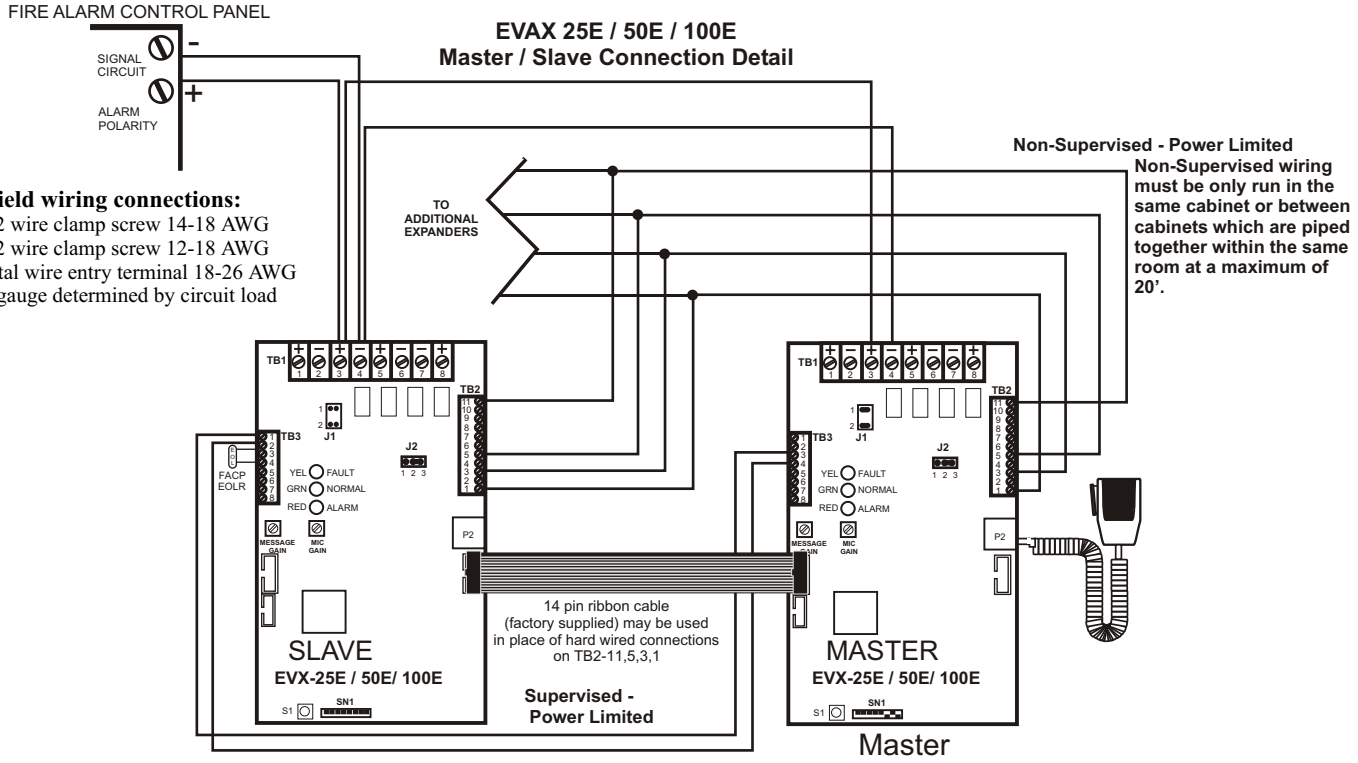
EVAX 25E / 50E / 100E
TYPICAL INSTALLATION



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

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.

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