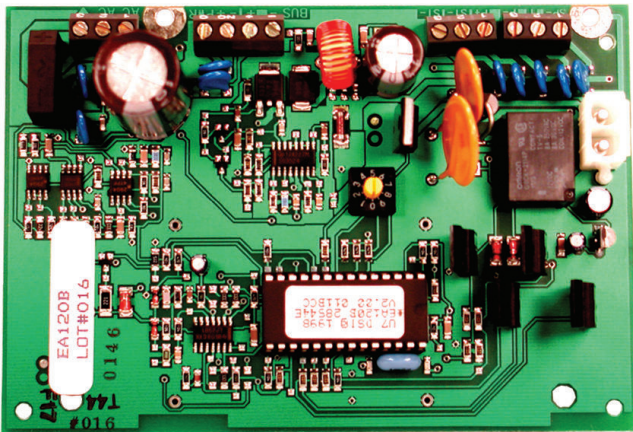




## EA120B Alert Unit



The EA120B Alert Unit communicates with the transponder through the multiplex (MUX) bus. It activates siren and strobe units or other switched devices during an alarm. The alert unit also reports tampering, AC power loss, and backup battery level to the transponder.

### System Overview

During an alarm, the EA120B Alert Unit receives a signal from the transponder and sends power to the siren and strobe (or other switched device). The siren and strobe remains active until the alarm is resolved at the central console.

### Functions

#### Backup Battery and Microprocessor

The EA120B Alert Unit has both backup battery power and AC power. The EA120B Alert Unit driver contains a microprocessor that communicates with the transponder for strobe and siren commands, status reports, and trouble indications. The troubles monitored are Tamper, Loss of AC Power, and Low Battery.

- ▶ **Annunciates an alarm through the siren, strobe, or other third party switched device**
- ▶ **Sends output to the siren and strobe to indicate a successful transmitter test**
- ▶ **Is compatible with indoor enclosures**
- ▶ **Is compatible with outdoor enclosures**
- ▶ **Uses AC power with battery backup**
- ▶ **Responds to central console commands sent through the transponder**

### Test Acknowledgement

You can configure the EA120B to cause a siren to emit a short tone and the strobe to flash to indicate a successful transmitter test.

### Installation/Configuration Notes

#### Compatibility Information

Central Console Software:	SE2000 Series
Receivers:	EA102A-304
Transmitters:	SE2 Series, SE3 Series, SE3401, and SE88 Series
Transponder:	EA500B

## Technical Specifications

### Transmission

Alarm Output	1 A maximum, intended as the supply source for strobe and siren
Speaker and Siren Ratings	500 mA solid state sink, terminal switches to ground in an alarm condition; optional accessory
Strobe Ratings	500 mA solid state sink, terminal switches to ground in alarm condition; optional accessory
Tamper Output	Normally-closed (NC)
Trouble Output	Sent through central console

### Electrical

Battery Backup:	12 VDC 14 Ah maximum (3 Ah maximum in outdoor enclosure)
Primary Power Requirement:	18 VAC, 50 VA

### Environmental

Operating Temperature Range:	-40°C to +65°C (-40°F to +149°F)
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## Ordering Information

<b>EA120B Alert Unit</b>	<b>EA120B</b>
Activates third-party signaling devices, such as siren and strobe units, during an alarm.	

### Accessories

<b>E28000B Siren and Strobe</b>	<b>E28000B</b>
Mount the E28000B Siren/Strobe in an outdoor location.	

<b>AE1 Standard Enclosure (Gray)</b>	<b>AE1</b>
Standard gray enclosure with keyed lock. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in. x 12.5 in. x 3 in.).	

<b>AE101 Outdoor Enclosure</b>	<b>AE101</b>
The AE101 Outdoor Enclosure is for outdoor installations and is weather resistant.	

<b>TR1850 Transformer</b>	<b>TR1850</b>
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