



Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Voltage: \_\_\_\_\_

**CODES AND STANDARDS**

ETL Listed to UL924 Standard  
NFPA 70 (NEC)  
NFPA 101 (Life Safety Code)

**VOLTAGE INPUT**

Dual Voltage 120/277 VAC  
Selectable Input

**FINISH**

All units are available with white or black durable powder-coat paint or primed to be painted or wall-papered in the field. Consult factory for custom colors.

**LAMPS**

Fully adjustable MR16 halogen lamps with GU-10 bi-pin twist-lock base and are available in choice of 12W, 20W, and 35W. Lamps have expected life of 2000-plus hours.

**CONSTRUCTION**

The unit back box and trim/lamp unit are constructed of code gauge cold-rolled galvanized steel. The back box requires an 8-1/4" long x 7-7/8" wide cutout. Back box is universal to accommodate ceiling or wall mount applications.

**BATTERY**

Choice of 12V maintenance-free sealed lead acid battery with a service life of 5-7 years and an operating temperature range of 65°F (19°C) to 85°F (30°C) or 12V maintenance-free nickel cadmium battery with a service life of 8-10 years and an operating temperature range of 20°F (-7°C) to 95°F (35°C). Both provide a minimum of 90 minutes emergency illumination.

**INSTALLATION**

Ceiling or wall mounting in new construction. Easy installation via the single enclosure back box. Built-in grid clips for use in T-grid ceilings.

**ELECTRONICS**

All units utilize a micro-processor and contain the Xtest™ self-diagnostic/self-test circuit. Each unit includes low voltage disconnect, AC lockout, and brownout protection. The FAZE 180 unit will automatically conduct a self-test once a month to verify all systems are functioning properly.

**MOTOR**

The door of the FAZE 180 series is actuated by a direct drive bi-directional heavy-duty motor. This motor has a lifetime guarantee.

**WARRANTY**

Five full year warranty on units. (Lamps not included.)

Catalog Number	Voltage	Wattage	Remote	Housing <sup>1,2</sup>	Lamp Type	OPTIONS
<b>Lead Acid:</b>						
<b>FX12L24W12</b>	12 volts	24 watts	none	White	MR16 12 watt	<b>LS</b> - Less Self-Test of Lamps
<b>FX12L40W12</b>	12 volts	40 watts	16 watts	White	MR16 12 watt	<b>TD</b> - Time Delay (15 minutes)
<b>FX12L40W20</b>	12 volts	40 watts	none	White	MR16 20 watt	<b>LX</b> - Laser Remote Testing (requires RLT, sold separately)
<b>FX12L70W20</b>	12 volts	70 watts	30 watts	White	MR16 20 watt	
<b>FX12L70W35</b>	12 volts	70 watts	none	White	MR16 35 watt	
<b>Nicad:</b>						
<b>FX12N24W12</b>	12 volts	24 watts	none	White	MR16 12 watt	<b>Accessories (ordered separately)</b> <b>RLT</b> - Remote Laser Transmitter

**WHEN ORDERS REQUIRE EARLY SHIPMENT OF FXBB BACK BOX ASSEMBLY FOR EARLY INSTALLATION DURING ROUGH-IN STAGES OF PROJECT:**

Complete Unit	Back Box <sup>3</sup>	BREAKDOWN Battery Pak	Trim/Lamp Unit <sup>4</sup>
<b>FX12L24W12 =</b>	<b>FXBBL</b>	<b>FXBP24L</b>	<b>FXTL12W</b>
<b>FX12L40W12 =</b>	<b>FXBBL</b>	<b>FXBP40L</b>	<b>FXTL12W</b>
<b>FX12L40W20 =</b>	<b>FXBBL</b>	<b>FXBP40L</b>	<b>FXTL20W</b>
<b>FX12L70W20 =</b>	<b>FXBBL</b>	<b>FXBP70L</b>	<b>FXTL20W</b>
<b>FX12L70W35 =</b>	<b>FXBBL</b>	<b>FXBP70L</b>	<b>FXTL35W</b>
<b>FX12N24W12 =</b>	<b>FXBBN</b>	<b>FXBP24N</b>	<b>FXTL12W</b>

**Footnotes:**

<sup>1</sup>For black finish substitute "W" in catalog number with "B", (Example: FX12L40B20) or for primer coat, substitute with "P".

<sup>2</sup>For Custom Color "CC", consult factory.

<sup>3</sup>When ordering "LS" or "TD" options, it must be added as a suffix to the backbox catalog number.

<sup>4</sup>When ordering "LX" option, it must be added as a suffix to the trim/lamp unit catalog number.

## FAZE<sup>180</sup> SERIES Concealed Emergency Unit

### OPERATION

The FAZE<sup>180</sup> unit is stored in a wall or ceiling under normal power conditions. Upon loss of utility power, the door on the unit rotates 180° exposing two MR16 lamps which are immediately illuminated. When power is restored, the lamps are turned off and the door rotates back to the closed position.

### REMOTE CAPACITY

The higher wattage units have up to 30 watts of remote capacity which can be used to power 12 volt remote lamp heads.

### OPTIONS

**LS** - Less Self-Test: This option still offers the Xtest testing circuitry functions, but the lamps will not come on during the monthly test.

**TD** - Time Delay: A 15-minute time delay for HID applications.

**LX** - Laser Remote Test: Activation of manual test via laser pen (RLT sold separately).

## SPECIFICATIONS

### X<sup>test</sup> ELECTRONICS

All units are STANDARD with X<sup>test</sup> self-diagnostic/self-testing circuitry. The X<sup>test</sup> management system controls test parameters within the embedded micro-controller to verify that all system components are functioning properly. This is accomplished using various system checks on a continuous basis, as well as hourly and monthly test. Several manual tests can also be initiated or cancelled at any time by pressing the test switch. During automatic self-test or manual test, the green AC status indicator will flash. Any malfunction is immediately reported via the appropriate external LED indicators. X<sup>test</sup> complies with all the latest UL924 and NFPA 101 requirements for self-diagnostics/self-testing operation. For complete details on many of the exclusive features that the X<sup>test</sup> system offers, including correction of input wiring errors before applying power, refer to specification sheet ERC2001.1.

### X<sup>test</sup> TESTING SPECIFICATIONS

#### Automatic Test:

The system charger and lamps are continually being controlled via pre-determined parameters specific to each model configuration automatically. The battery is controlled via a true open circuit test each hour after initial installation. Every 30 days the X<sup>test</sup> System illuminates lamps under load for 60 seconds behind closed door, simulating a power outage with a true charger off condition, without affecting long-term battery life. After 60 seconds, the lamps will go off and the door will open then close to verify door operation. This is above and beyond the requirements of the National Electric Code and/or the National Fire Protection Association, which only requires a 30 second automatic test once every month. This gives you unequalled control and confidence, knowing you are meeting self-test code requirements each and every month.

#### Manual Test:

A manual test switch allows for the X<sup>test</sup> system to perform the following tests at any time:

#### Press Button:

**Once** - 5 second test, charger off, lamps on

**Twice** - 60 second test, charger off, lamps on

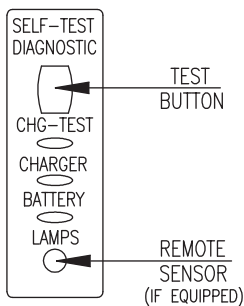
**Three** - 90 minute test, charger off, lamps on

**6-Second Hold** - Fully reinitializes micro-processor.

Pressing once during any test will cancel/abort testing.

### Fault Indications:

Four LED indicators provide visible indication of system status:



**Test:** Green - Solid indicates system normal and AC power is on.  
Green - Flashing indicates a manual or automatic test cycle.

**Charger:** Red - Solid indicates inadequate battery charge before testing. Allow battery to fully charge.  
Red - Flashing indicates a charger failure. Requires the power supply board to be replaced.

**Battery:** Red - Flashing indicates the battery is disconnected or if it is connected and has been charged for 72 hours, then a replacement is needed.

**Lamp:** Red - Flashing indicates a lamp(s) is disconnected or if it is connected, then it should be replaced.

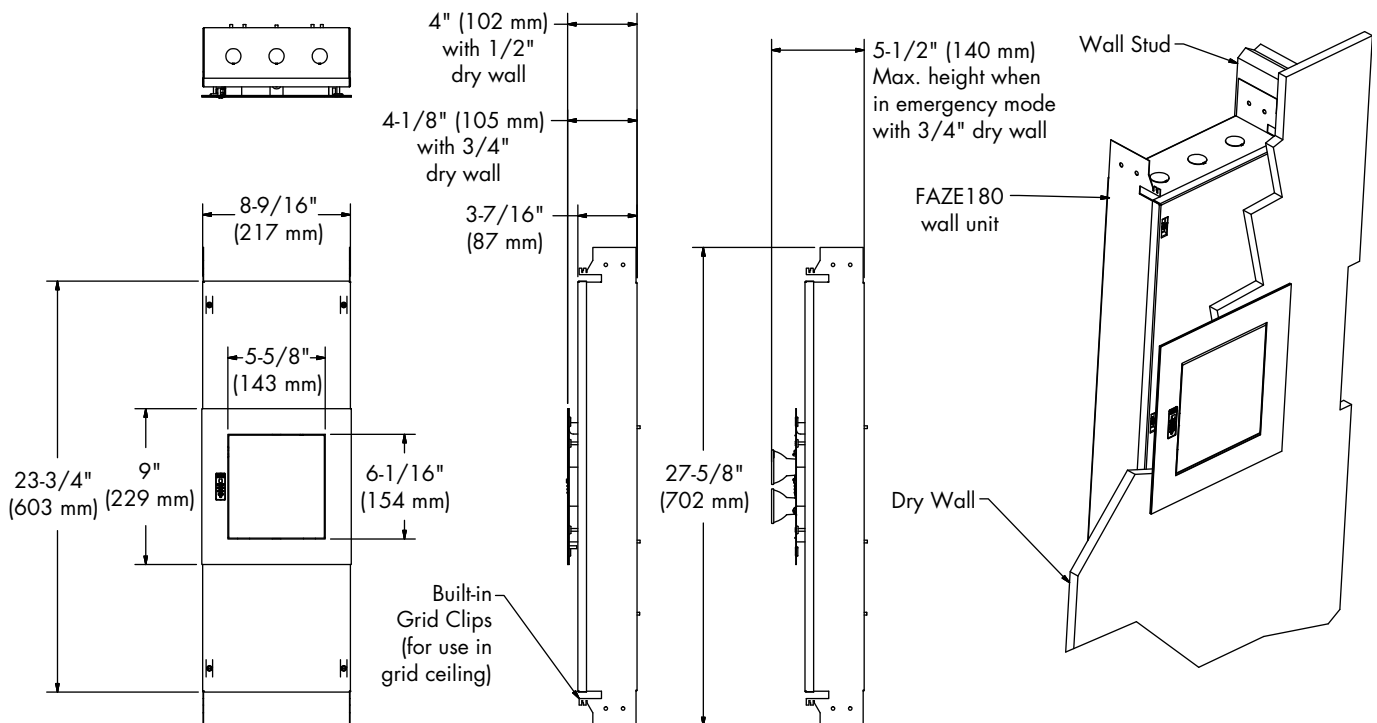
**All 3:** Charger, Battery, & Lamp LED's flashing every 1/2 second indicates a bad transfer function. A replacement power supply board is needed.  
Charger, Battery, & Lamp LED's flashing every 1/4 second indicates improper door opening. Consult factory.

# FAZE<sup>180</sup> SERIES Concealed Emergency Unit

## SPECIFICATIONS:

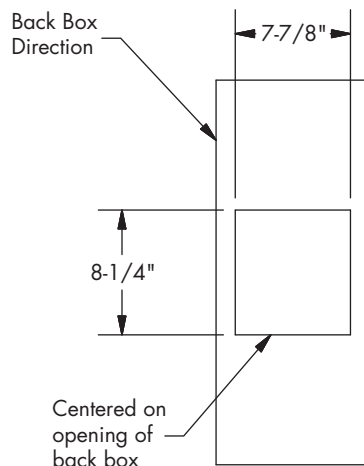
Type	Battery	AC Input Volts	AC Input (mA)	AC Input (VA)	Weight
<b>12V, 24W</b>	Lead Acid	120	0.100	12	<b>FX Lead Acid</b> - 24lbs <b>FX Nicad</b> - 20lbs
	Lead Acid	277	0.045	12.5	
<b>12V, 40W</b>	Lead Acid	120	0.103	12.4	
	Lead Acid	277	0.047	13	
<b>12V, 70W</b>	Lead Acid	120	0.100	12	
	Lead Acid	277	0.046	12.8	
<b>12V, 24W</b>	Nickel Cadmium	120	0.063	7.68	
	Nickel Cadmium	277	0.028	7.75	

## DIMENSIONS FAZE<sup>180</sup> SERIES



## Cutout Dimensions

**8-1/4" x 7-7/8"**



Cut opening in ceiling tile centered with the opening of the Back Box. See Cutout dimensions shown to the left.

**FAZE<sup>180</sup> SERIES** Concealed Emergency Unit

**PHOTOMETRICS**



12W MR16 lamp	35ft. spacing	avg. fc. = 1.13	max. fc. = 3.0	min. fc. = 0.2
20W MR16 lamp	40ft. spacing	avg. fc. = 1.13	max. fc. = 2.5	min. fc. = 0.3
35W MR16 lamp	65ft. spacing	avg. fc. = 1.40	max. fc. = 4.7	min. fc. = 0.1



12W MR16 lamp	30ft. spacing	avg. fc. = 1.02	max. fc. = 2.0	min. fc. = 0.4
20W MR16 lamp	35ft. spacing	avg. fc. = 1.01	max. fc. = 1.7	min. fc. = 0.4
35W MR16 lamp	65ft. spacing	avg. fc. = 1.16	max. fc. = 3.1	min. fc. = 0.1



12W MR16 lamp	22ft. spacing	avg. fc. = 1.01	max. fc. = 1.7	min. fc. = 0.4
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**Note:** Meets Life Safety Code standard minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Illustration shown is a guideline for corridor center-to-center spacing with 10, 12, or 16 foot mounting heights and minimum 80-50-20 reflectance values. This is a guideline to be used as a design aid, not as guarantee of any code compliance.