

Model FB2LEDX

Fireball® Hazardous Location

LED Warning Lights

25500561 Rev A3 0124

Limited Warranty: This product's limited warranty can be found at www.fedsig.com/SSG-Warranty.

SAFETY MESSAGES TO INSTALLERS AND USERS

It is important to follow all instructions shipped with this product. This device is to be installed by a trained electrician who is thoroughly familiar with the National Electrical Code and/or Canadian Electrical Code and will follow the NEC and/or CEC Guidelines as well as all local codes. This device should be considered a part of the warning system and not the entire warning system.

The selection of the mounting location for the device, its controls, and the routing of the wiring are to be accomplished under the direction of the facilities engineer and the safety engineer. Listed below are some other important safety instructions and precautions you should follow:

- Read and understand all instructions before installing or operating the equipment.
- To avoid electrical shock hazards, do not connect wires when power is applied.
- In order to be an effective warning device, this product produces bright light that can be hazardous to your eyesight. The possibility exists that rapid flashing lights could induce photosensitive epilepsy. Do not stare directly at the light.
- Keep the unit tightly closed when in operation.
- Never alter the unit in any manner. Safety in hazardous locations may be endangered if additional openings or alterations are made.
- **WARNING - EXPLOSION HAZARD:** Do not disconnect the equipment unless power has been switched off or the area is known to be non-hazardous. To reduce the risk of ignition due to electrostatic discharge, avoid contact with the unit while an explosive atmosphere is present. Clean only with a damp cloth. Do not use chemical cleaners.
- Establish a procedure to routinely check the light installation for integrity and proper operation.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.



OVERVIEW – FB2LEDX Series can be programmed to produce one of three light patterns: steady, 60 FPM, and 120 FPM (preset to 60 FPM). Units are available in 12-24 Vdc or 120-240 Vac.

Certifications and ratings

- Model FB2LEDX is UL and cUL Listed for Class I, Division 2, Groups A, B, C and D (T5); Class II, Division 2, Groups F and G (T6); Class III (T6); or non-hazardous locations only
- Model FB2LEDX-CN is UL and cUL Listed for Class I, Zone 2 (T5); Class II, Zone 22 (T85); or non-hazardous locations only
- Type 4X, IP66
- IP69K Compliant
- Electrical ratings: 0.48A - 0.24A (12-24 Vdc) or 0.03 A (120-240 Vac 50/60 Hz)
- Certified Operating Temperature: -40°F to 150°F (-40°C to 66°C)

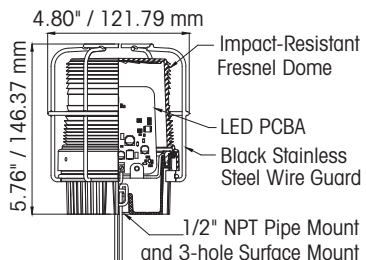
Unpacking the Device – After unpacking the device, examine it for damage and verify parts. The unit comes with (1) FB2LEDX assembled unit with guard, flying leads and (1) panel mount gasket, (3) No. 8 x 1/2" panel mounting tapping screws. If a part is missing or damaged, do not attempt to install. Contact Federal Signal Customer Support at +1 708-534-4756 or iordersup@fedsig.com

Mounting the device

WARNING

EXPLOSION HAZARD – To reduce the risk of fire or explosion, do not install the unit in a hazardous location if the operating temperature exceeds the atmosphere's ignition temperature. Consult product nameplate to determine the temperature code of the unit.

Figure 1 Parts and measurements



FB2LEDX units come standard to mount on a flat (horizontal or vertical) surface or on a 1/2" NPT threaded pipe. Wall mounting bracket (LHWB) accessory is sold separately.

- **Pipe Mounting:** FB2LEDX Series can be pipe mounted on a 1/2" NPT pipe. Feed wires through pipe and turn clockwise to tighten. Recommended tightening torque is 5-ft-lb (6.8 N-m).
- **Surface/Panel Mounting:** Connect the line (L or L1) power source lead to the black wire and connect the neutral (N or L2) power source lead to the white wire. Connect ground to the green/yellow wire if required.

Making the electrical connections

⚠ WARNING

WARNING – SHOCK HAZARD: To avoid electrical shock, do not connect wires when circuits are energized.

12-24 Vdc models

Connect the power source positive (+) lead to the red wire and connect the power source negative (-) lead to the black wire.

120-240 Vac 50/60 Hz models

Connect the line (L or L1) power source lead to the black wire and connect the neutral (N or L2) power source lead to the white wire. Connect ground to the green/yellow wire if required.

Changing the light pattern with Power Select®

FB2LEDX is factory set to 60FPM. Change to 120FPM or steady by cycling the power.

1. Enter programming mode by turning the input power on and off three times at a rate of one cycle per second. This timing cycle must be adhered to or the programming request will be ignored.
2. To switch to the next light pattern, cycle the power from off to on. Repeat this step to move to the next pattern.
3. To exit programming mode and set the pattern in memory, let the light operate for at least 15 seconds and turn power off for more than 5 seconds.

Testing/Operating

Test the system to verify that each signal operates, and establish a program for periodic testing of the device. Provide copy of these instructions to all operating personnel.

Maintenance and Service

Technical Assistance: Contact our Technical Support Team at +1 708-587-3587 or signalsupport@fedsig.com.

Repair Service: A return authorization is required. Contact your Authorized Distributor or Federal Signal Customer Support. Defective products under warranty will be repaired or replaced at Federal Signal's discretion.

Product Returns: Returns require authorization from Federal Signal. Contact your Authorized Distributor for more information on our return policy or to request a return.

Ordering Replacement Parts

If your unit requires a part not listed below, it must be either replaced or repaired.

Table 1 Replacement parts

Description	Part Number
12-24 Vdc PCBA, Amber, Red, Green	K20000401A
12-24 Vdc PCBA, Clear, Blue, Magenta	K20000401A-01
120-240 Vac PCBA, Amber, Red, Green	K20000426A
120-240 Vac PCBA, Clear, Blue, Magenta	K20000426A-01
Wire Guard	FB2G
Wall Mount Bracket Assembly	LHWB



PCBA



FB2G



LHWB



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Additional translations available at signaling.fedsig.com

Traducciones adicionales disponibles en signaling.fedsig.com

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