### Installation & Maintenance Information Add on Emergency Kit

#### Application

LL48 EM Kit is an add on emergency kit and is used in conjunction with the Crouse-Hinds LL48 Linear LED. LL48 EM Kit is only available with 1/2 inch hub size.

#### Installation

**WARNING**

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

**WARNING**

To avoid electric shock, all power must be removed from the fixture during installation and maintenance.

**LL48 EM Kit consists of:**

- (1) NJB071406 Box with Emergency Driver
- (1) IF1719 Instructions

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**NO.** | **DESCRIPTION** | **QTY**
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11 | WAGO CONNECTORS | 10
10 | MOUNTING FEET | 2
9 | INSTRUCTION SHEET | 1
8 | NAMEPLATE | 1
7 | GROUND WIRE ASSEMBLY (NOT SHOWN) | 1
6 | HUB, ½” | 4
5 | SCREW, RD HD, #10-32 X .375 | 4
4 | BRACKET | 1
3 | EMERGENCY DRIVER | 1
2 | MOUNTING PLATE | 1
1 | NJB071406 | 1

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**INSTALLATION OF LL48 EM KIT**

Requires four (4) mounting bolts (not provided) to attach the enclosure to a surface (ceiling/wall) or back of the fixture.

**Surface Mounting**

1. Completely loosen the captive screws in the cover. Then carefully lift off the cover and set it aside to prevent damage to the gasket.

![Surface Mounting Diagram](Image)

2. Select a mounting location that will provide suitable strength and rigidity for supporting all contained wiring and internal emergency driver. Use #10 size hardware (bolts, nuts, washers, etc.) to securely mount enclosure back box to the desired location (See Figure 1 for mounting pattern dimensions).

![Surface Mounting Dimensions](Image)

3. With the back box securely fastened to the mounting surface, attach the conduit or cable system to the back box via the entry hubs.

**CAUTION**

All mounting hardware should be of corrosion resistant material and a flat washer must be used under heads of mounting fasteners.
WIRING

1. Pull necessary field wiring into the enclosure. Provide sufficient length for connections to be made in a manner which will comply with all applicable codes and standards.

2. Bonding and grounding conduit and equipment is required by the National Electrical Code. When more than one conduit enters the enclosure, ground continuity between conduits must be maintained through proper bonding. A ground conductor, if used, must be connected to the conduit bonding system. For the LL48 EM Kit, use Crouse-Hinds type GP bonding fittings and install per wiring procedures shown. Use wire type and size as required by NEC and any other applicable standards.

3. Make the electrical connections utilizing the wiring scheme established for your system. Unit is ready for wiring to the LL48 EM Kit in the enclosure. It is not necessary to remove the LL48 EM Kit from the enclosure for field wiring. Connect field wires to the LL48 EM Kit 120/277 volt and common wire leads per the attached wiring diagram using methods that comply with all applicable codes.

4. Connect emergency driver wire lead and unconnected common lead to additional wires (not supplied) per the attached wiring diagram using methods that comply with all applicable codes. Route the additional wires out of the enclosure through unused conduit hub.

5. Ensure all electrical connections are tightened. Test wiring for correctness with continuity checks and also for unwanted grounds with an insulation resistance tester.

**CAUTION**
To prevent damage to enclosure, make sure that the cover gasket and body flanges are free of any foreign substances before mating, to ensure proper gasket sealing. Do not join converter connector until installation is complete and AC power is supplied to the emergency driver.

![Wiring Diagrams](image)

**NOTES:**
1. SYMBOLS REPRESENT WAGO CONNECTORS AS FOLLOWS:
   - DIAMOND象征 THRE E WIRE CONNECTOR
   - PENTAGON象征 FA WIRE CONNECTOR

Wiring Diagram is not for switched light fixtures. If switch is desired, add between orange/black and white/red cables.
Fixture Mounting

1. Attach mounting feet to linear light fixture with 5/16" bolt, lockwasher, and nut.
2. Align enclosure to center of the light fixture.
3. Attach battery box to mounting feet with 10-24 screws, lockwasher and nut.