

RRU-2 Universal Mount

◆ Applications and Instructions ◆

Method of Operation

- The UL924 Listed RRU-2 emergency shunt relay allows emergency luminaires controlled by a 0-10V or digital low voltage control signal to be automatically illuminated to full bright during a utility power failure or room power interruption using a N.O. contact to break the control signal. This assumes that an uninterrupted line voltage emergency feed is tied to the load, usually through a N.C. shunt relay or by feeding the load directly from the emergency panel. This meets NFPA 1104-2.4.1, OSHA, and all relevant life safety codes. See reverse for details.
- The RRU-2 is also used to provide interface control or load buffering to provide a 20A load contactor to line voltage devices with a lower rating. This relies on a line voltage ON/OFF signal and mirrors this signal to a dry 20A rated N.O. contact. See reverse for details.

Electrical Specifications

MODEL RRU-2-120 or RRU-2-277
Line Voltage Sensing Input
Dry Contact Output
20 Amp Load Rating
N.O. Contact



Mechanical Specifications

UL94V-0 Flame Rating | Shipping Weight: 8 oz
Temperature: 32°F - 140°F | Color : Black
Size (with mounting ears):
3-3/4"(L) x 1-3/4"(W) x 1-1/2"(H)

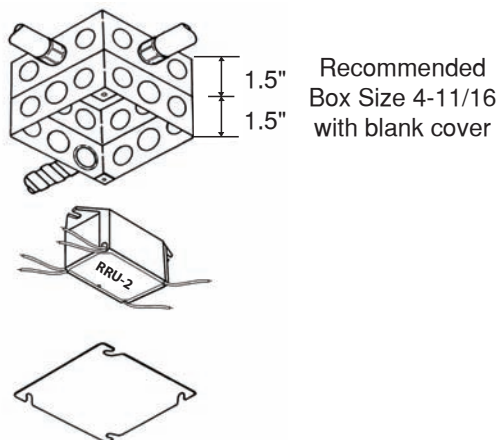
5 YEAR WARRANTY

Installation

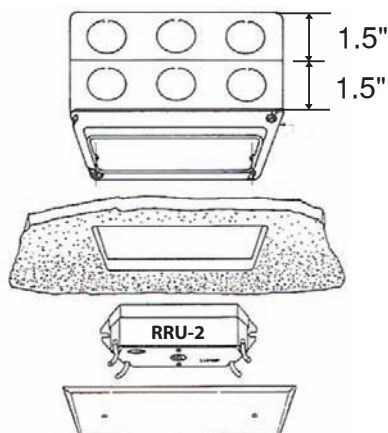
The RRU-2 can be installed above the suspended ceiling in a junction box or in the light fixture ballast channel. These mounting methods ensure the RRU-2 is accessible, complying with all codes and requirements.

RRU-2 can also be mounted in plenum, when tiles are removable.

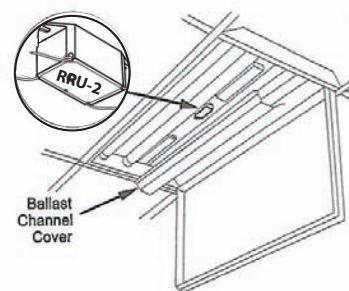
RRU-2 Universal Mount Wall or Ceiling Installation



RRU-2 Universal Mount Fire Ceiling Installation

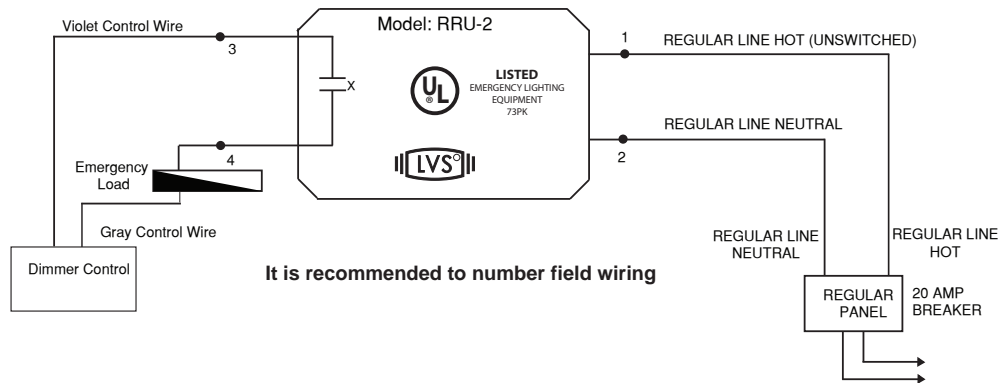


RRU-2 Universal Mount Fixture Mount Installation

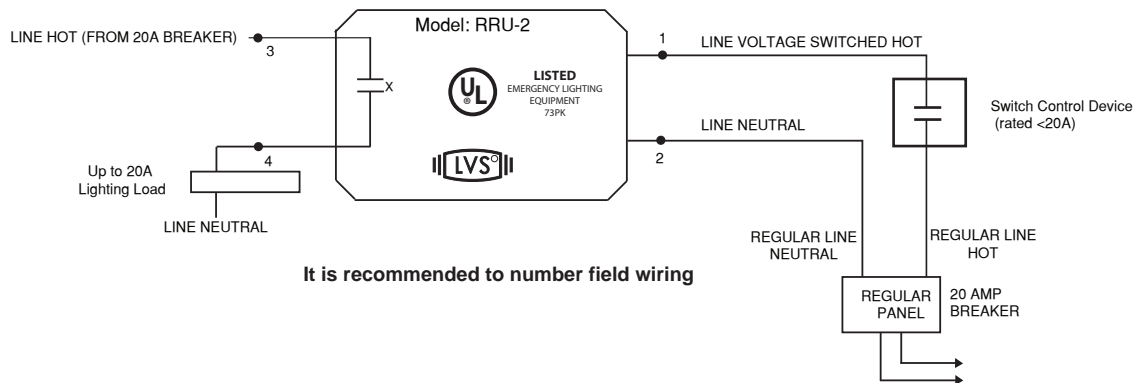


Model RRU-2 Installation Instructions

Low Voltage Dimming Override



Interface Control/Load Buffer



Installation

In order to install the RRU-2 in accordance with national/local code requirements, a qualified electrician should review and understand the installation instructions: Check voltage and current requirements. Verify and lock out circuit breakers on both normal power and 24 hours emergency circuit. Install a self-adhesive 2" x 3" caution label in each fixture or load controlled by an RRU-2 unit cautioning that this load is supplied from 2 different power sources, regular and emergency. Review wiring diagram and connect wires, one group at a time, in accordance with the numeric identification.

In order to provide a safe light level, when regular power is interrupted, it is recommended that a minimum of two 4' fluorescent tubes providing approximately 5000 lumen are controlled by a 24 hour emergency circuit and are spaced no farther than 24' in any direction from each other in a normal 9' white ceiling environment. The RRU-2 is a universal mount unit, convenient and fast to install virtually anywhere.

Troubleshooting & Maintenance of RRU-2

If RRU-2 does not function properly on startup perform the following tests:

FOR EMERGENCY DIMMING APPLICATION: To test normal operation, ensure branch circuit breaker is connected and utility power is available. Move dimmer up and down and ensure emergency light has full range of dimming. To test emergency operation, turn dimmer to 50% bright position. Turn regular branch circuit breaker to "OFF" position and verify that emergency light illuminates to full bright, while regular lights shut off.

FOR LOAD BUFFER APPLICATION: To test operation operate switch/relay control device and verify that lighting load goes ON and OFF in accordance with switch/relay position.

No maintenance is required to keep the RRU-2 functional. However, regular testing should be performed when the lamps or ballasts have been replaced or when facility remodeling has taken place.