RRU Universal Mount
♦ Applications and Instructions ♦

Method of Operation

- The UL924 Listed RRU emergency shunt relay provides a dry N.O./N.C. contact closure that changes position when there is a utility power interruption. This can be used for various purposes including interrupting a 0-10V or digital low voltage control signal in order to bring loads to full bright during a utility power failure or room power interruption. See reverse for details.

- The RRU is also used to provide shunting, interface control, isolation, or load buffering when tied to line voltage devices with a lower contact rating. The RRU is rated for 10A on both the N.C. side and N.O. side. See reverse for details.

Electrical Specifications

- MODEL RRU-120 or RRU-277
- Line Voltage Sensing Input
- Dry Contact Output
- N.O./N.C. (Form C) Contact
- 10A Rating

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 1-1/4"(H)

5 YEAR WARRANTY

Installation

The RRU can be installed above the suspended ceiling in a junction box or in the light fixture ballast channel.

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

RRU Universal Mount
Wall or Ceiling Installation

RRU Universal Mount
Fire Ceiling Installation

RRU Universal Mount
Fixture Mount Installation
Model RRU Installation Instructions

Installation

In order to install the RRU 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 is a universal mount unit, convenient and fast to install virtually anywhere.

Troubleshooting & Maintenance of RRU

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

Turn regular branch circuit breaker to “OFF” position and verify that connected loads behave as desired. If not, verify that N/O and N/C sides of contact have been wired properly.

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

Notes: