

ISI-RRU-X-UNV



Inverter Systems, Inc.

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UL924 Shunt Relay to Override Single Control Device for Emergency Fixtures Only



UL 924 Listed
Self-Testing
Self-Diagnostic



LED
Compatible



0-10V
Dimmer
Compatible



Line
Voltage
Dimming

APPLICATION

Inverter Systems, Inc. is proud to announce its latest addition to the popular Shunt Line. The **RRU-X-UNV** includes a 20A rated high voltage Form C (N/O+N/C) relay and is UL924 Listed for emergency lighting control applications.

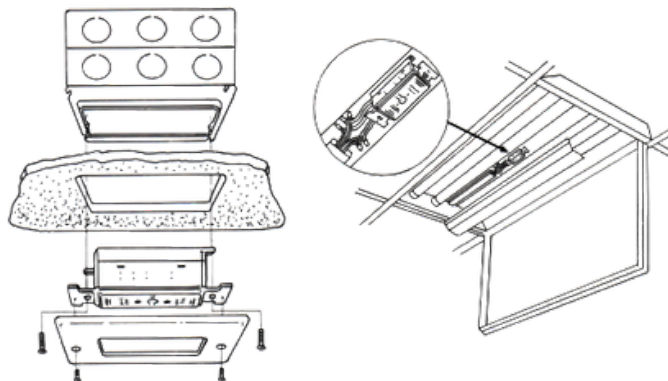
The **RRU-X-UNV** can bypass a line voltage switch or dimmer, ensuring that an emergency fixture illuminates at full brightness during a utility power interruption. It can also be used to open or short a DALI control signal.

Its small size makes it ideal for junction box mounting in wireless or other modern lighting control systems. An integral test switch and LED allow for quick testing and verification of proper function.

FEATURES

- UL924 listed
- Integrated test switch and green utility power indicator
- Fire alarm override input
- 20A rated N/O & N/C contacts that allow:
 - Bypass of line voltage switching, occupancy sensors, and dimmers
 - Communication to relay panels, BMS systems and in the event of utility power interruption inaccessible for manual testing.
- 1A rated N/O contact that allow:
 - Bypass of low voltage, dimming, or switching signals from room controllers or dimmers.

MOUNTING



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The diagram illustrates the wiring for a Normal/Emergency Light (N/E Light). It features three main components: an Emergency Panel or Inverter on the left, a central control unit, and a Normal Panel on the right.

- Emergency Panel or Inverter:** Provides **EMERGENCY NEUTRAL** and **EMERGENCY HOT** lines. A **20A** breaker is shown on the neutral line.
- Central Control Unit:** Contains a **Switch or Dimmer** and a **TEST** button. It has three output wires: **#5 YELLOW**, **#4 BLUE**, and **#3 BROWN**.
- Normal Panel:** Provides **NORMAL HOT** and **NORMAL NEUTRAL** lines. A **20A** breaker is shown on the hot line.
- 0-10 v Dimmer:** A separate unit with **Gray (-)** and **Violet (+)** terminals. The **Violet (+)** terminal is connected to the **Violet** wire of the central control unit.

Wiring Connections:

- EMERGENCY NEUTRAL** is connected to **#5 YELLOW** and **#4 BLUE**.
- EMERGENCY HOT** is connected to **#4 BLUE**.
- NORMAL HOT** is connected to **#1 BLACK**.
- NORMAL NEUTRAL** is connected to **#2 WHITE**.
- #3 BROWN** is connected to the **TEST** button.
- Gray (-)** is connected to the **Switch or Dimmer**.
- Violet (+)** is connected to the **Violet** wire.

Note: Emergency Light is also called N/E Light or Normal/Emergency Light by many specifiers

- **Model Number:** ISI-RRU-X-UNV
- **Sensing Input:** 120 - 277 V
- **Load Rating:** 120 - 277 V (20 A)
- **Ballast Load Rating:** (20A) 120 - 277 V (Contact #1)
- **Incandescent Load:** 1200w (120 V) / 1500w (277 V)
- **Warranty:** 5 Year Replacement Warranty
- **Load:** Contact #1 20A (120 - 277V), Contact #2 (1A) 30V DC
- **Mounting:** Universal (Flush, Panel, Fixture or Junction Box Mount)
- **Rating:** UL94V-0, Plenum Rated, Damp Location Rated
- **Shipping Weight / Color:** 12 oz. / White
- **Temperature:** 32-140°F (0-60°C)
- **Size:** 1.7" (W) x 3" (H) x 1.2" (D)