

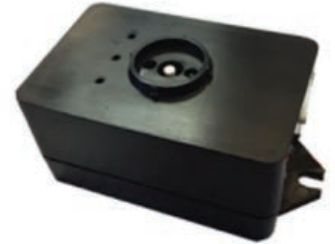
Automatic Load Control, Shunt Relay

(RRU-X-UNV)



BEFORE YOU BEGIN

Read these instructions completely and carefully.
Save these instructions for future use.



⚠ WARNING

Risk of electrical shock. Disconnect power before servicing or installing product.
Install in accordance with National Electric Code and local codes.

⚠ CAUTION

Risk of injury. Wear safety glasses and gloves during installation and servicing.

The **RRU-X-UNV** includes dual relays and is suitable for simultaneously bypassing a line voltage relay/switch and breaking the 0-10V line for full brightness operation. Its small size is ideal for fixture mounting alongside wireless lighting controls. Available in two attractive packages:

- **RRU-X-UNV** is a 20A rated universal mount device (flush/plenum/junction box)
- **RRU-X-UNV-FM** is a lower amperage in-line fixture mount device with a slim profile designed for modern LED fixtures

Installation

In order to install the RRU in accordance with national/local code requirements, a qualified electrician should review & understand the installation instructions.

Check voltage & current requirements.

Verify & lock out circuit breakers on both regular (utility) power & 24 hour emergency generator or inverter circuit.

Install a self-adhesive 2" x 3" caution label in each fixture or load controlled by an RRU cautioning that the load is supplied from 2 different power sources, normal & emergency.

Review wiring diagram & connect wires, one 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 approximately 5000 lumen are controlled by a 24 hour emergency circuit & are spaced no farther than 24' in any direction from each other in a normal 9' white ceiling environment.

Initial Testing and Troubleshooting

In a new installation, where hundreds of devices may be used, each having as many as 14 wires to be correctly connected, it is important that a fast, convenient method is used to check connections. In order to test that the wires are connected correctly, without any inconvenience to occupants, do not turn off regular (utility) power off until you have checked each device as follows:

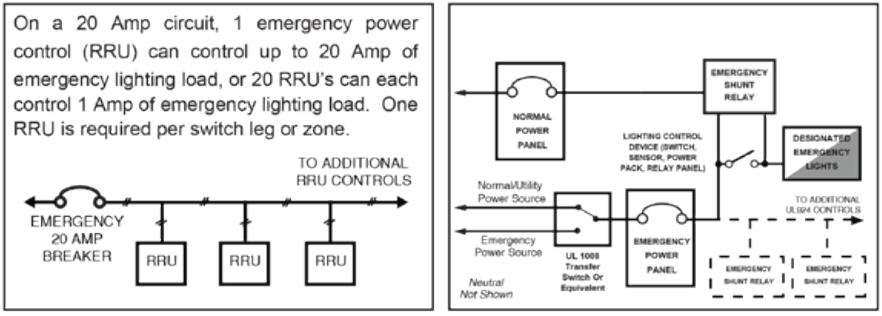
1. Check that regular branch circuit breaker is connected & utility power is available. Green LED should be lit. If green LED is not lit, check connections & continuity to branch circuit breaker.
2. Check that emergency branch circuit breaker is connected & emergency power is available.
3. Normal Operation Test: Turn dimmer or other control device to the "ON" position. Emergency lights should turn on. Reduce dimmer to ~50%, emergency lights should dim to ~50%. Turn room switch or control to the "OFF" position. Emergency lights should turn off.
3. Emergency Operation Test: Press and hold test button, emergency lights should illuminate at full brightness until test button is released.

Maintenance

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 remodeling has taken place.

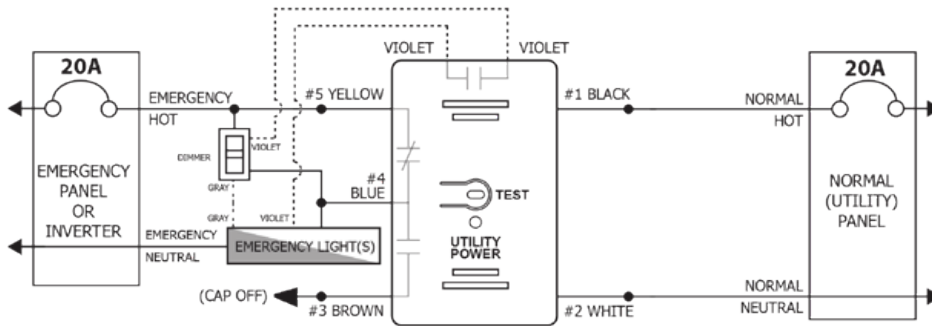


Single Line Drawings



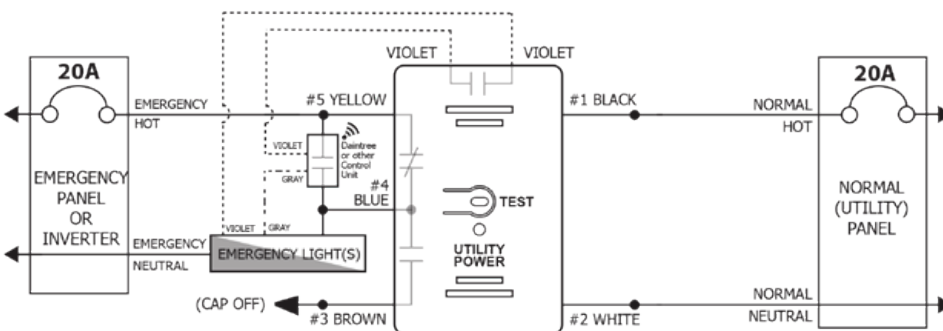
Wiring Diagrams-1

A dedicated dimmer controls emergency lighting in a space. Upon loss of normal power, the emergency lighting comes on at full brightness regardless of dimmer position.



Wiring Diagrams-2

Wireless controller with electrically held relay, such as Daintree Networked.



Warranty

Current offers a limited Warranty across its Daintree Wireless Controls Portfolio. The table below summarizes the Warranty terms. For additional information, please review the Limited Warranty Document on the Daintree Homepage.

Component	Warranty Period	Coverage Details
Daintree Software	1 year (IoT Cloud installed Software) Subscription term (SaaS) 3 years	Current warrants that as long as all applicable fees due are paid, Daintree Software will substantially conform to the applicable published documentation and published specifications for the Warranty Period.
System Controller	3 years	100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software; Current makes no warranty with respect to non-Daintree software.
WACs	5 years	100% parts coverage
Wireless Adapters	5 years	100% parts coverage
Wireless Devices	5 years	100% parts coverage, excluding batteries.
Wireless Thermostats	2 years	100% parts coverage

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to GE Current, a Daintree company.