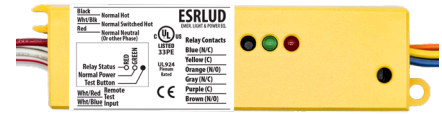
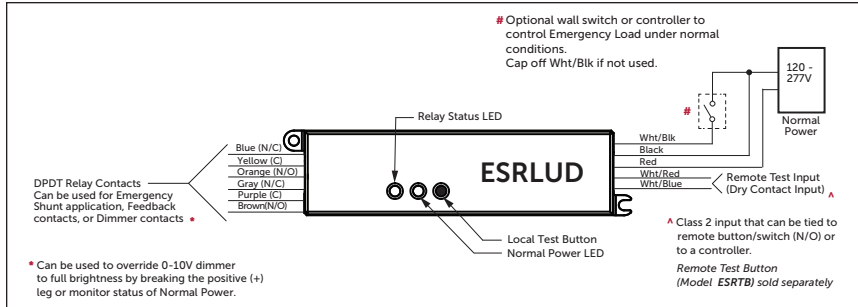


UL924 / 10 AMP AUTOMATIC LOAD CONTROL RELAY

ESRLUD

UL924 Emergency Lighting Automatic Load Control Relay, 10 Amp DPDT, Universal 120-277 Vac, 0-10 Vdc Dimmer Override, Dry Contact Fire Alarm Interface, DALI Dimmable Loads



BALLAST SIZE HOUSING

SPECIFICATIONS

- # Relays & Contact Type:** One (1) DPDT Continuous Duty Coil
- Expected Relay Life:** 10 million cycles minimum mechanical
- Operating Temperature:** -30 to 140° F
- Operate Time:** 18ms
- LED:** Green = Normal Power
Red = Relay Status
- Dimensions:** 1.40"H x 5.63"W x 1.00"D
- Housing Detail:** See Housing F in housing guide for dimensions
- Origin:** Made of US and non-US parts
- Wires:** 16", 600V Rated
- Approvals:** UL Listed, UL924, C-UL, CE, RoHS
- Gold Flash:** No
- Override (Test Switch):** No
- Humidity Range:** 5-95%(noncondensing)

- Coil Current:** Normal Power =6 mA max
- Coil Voltage Input:** 120-277Vac (50/60 Hz)
- Relay Contact Ratings:** 10 Amp Resistive @ 30 Vdc
10 amp General Use @ 277 Vac
- Notes:** Device draws no current from Emergency source

TESTING

- Initial Test for Correct Wiring:**
Apply Normal Power to the Normal Power Input. (If using the Wall Switch Input, apply Normal Power to the switch also, but keep the switch OFF/ OPEN).
- a. The Green LED (Normal Power available) should be ON.
 - b. The Red LED (Relay Status) should be ON.
 - c. The Load should be OFF.
 - d. The Relay Contact (N/O) should be CLOSED.

- Local Test Button:**
1. Turn switched circuit OFF. Load should be OFF.
 2. Press and hold "Local Test Button"
 3. Load should turn ON.
 4. Release "Local Test Button" and emergency light should turn OFF.

- Remote Test Button: (Model ESRTB - sold separately)**
1. Turn switched circuit OFF. Load should be OFF.
 2. Press and hold "Remote Test Button"
 3. Load should turn ON.
 4. Release "Remote Test Button" and Load should turn OFF.

- Wall Switch**
1. Turn ON wall switch if not already on.
 2. Load should turn ON.
 3. Turn wall switch OFF.
 4. Load will turn OFF.

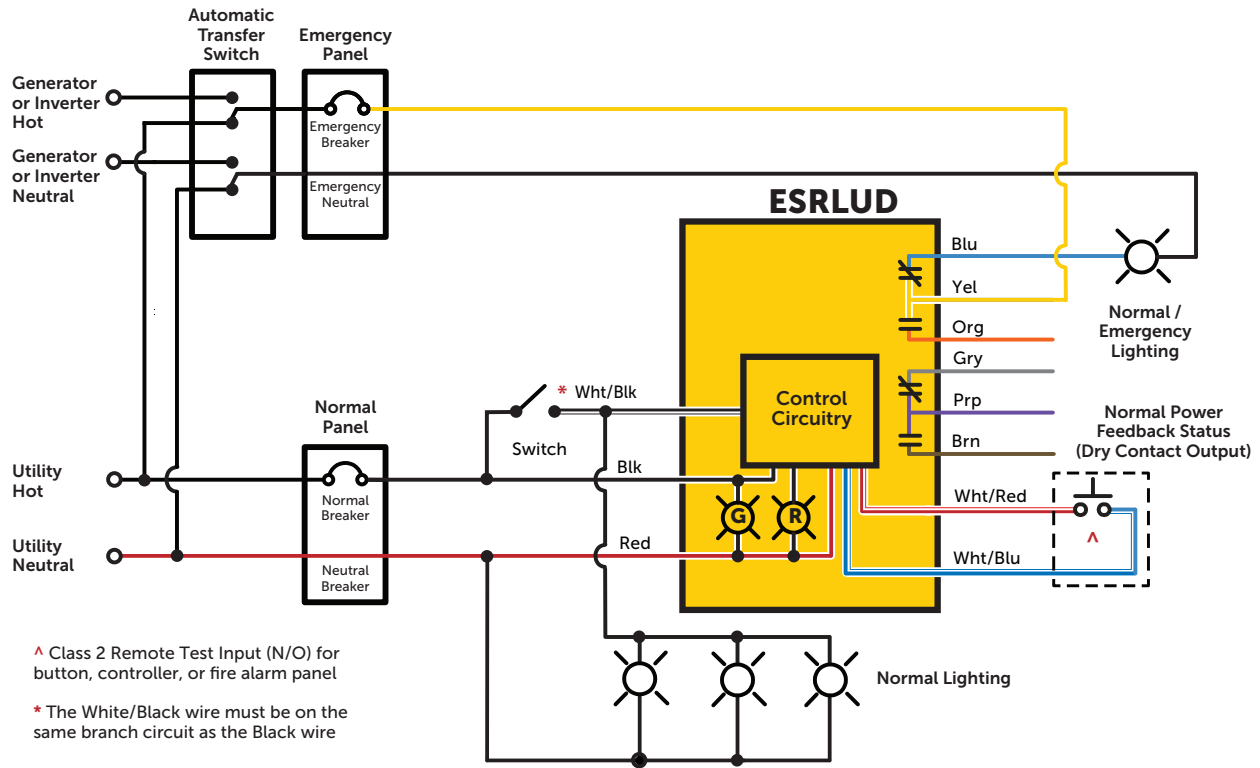
AUTOMATIC LOAD CONTROL RELAYS & DIMMING OVERRIDE APPLICATION

With our Automatic Load Control Relays (ALCR), you will complete your emergency lighting application as specified. Designed specifically for applications that require emergency load to be switched during a loss of normal power, creating a path to illuminate your emergency fixture.

TROUBLESHOOTING

CONDITION	ACTION
Green LED is OFF	<ul style="list-style-type: none"> • Check Normal Power Input wiring (Black and Red wires) and voltage.
Red LED is OFF but Load is OFF	<ul style="list-style-type: none"> • Check bulbs and ballast. • Check Load wiring (Blue wire and Load's neutral). • Replace unit. (Assuming N/C contact is used)
Load is ON but Red LED is ON	<ul style="list-style-type: none"> • Replace unit. (Assuming N/C contact is used)
Red LED does not turn OFF and Load does not turn ON when being tested	<ul style="list-style-type: none"> • Check bulbs and ballast. • Check wiring connections if using a remote test option. • Press local test button on the unit. • Replace unit.
Red LED will not turn ON and Load will not turn OFF	<ul style="list-style-type: none"> • Verify status of Normal Power Input. • Open Wall Switch Input. • Verify that no test inputs are stuck closed. (i.e. Remote Test Input is not closed)

USING EMERGENCY LIGHTING AS NORMAL LIGHTING



OVERRIDING A 0-10V DIMMER

