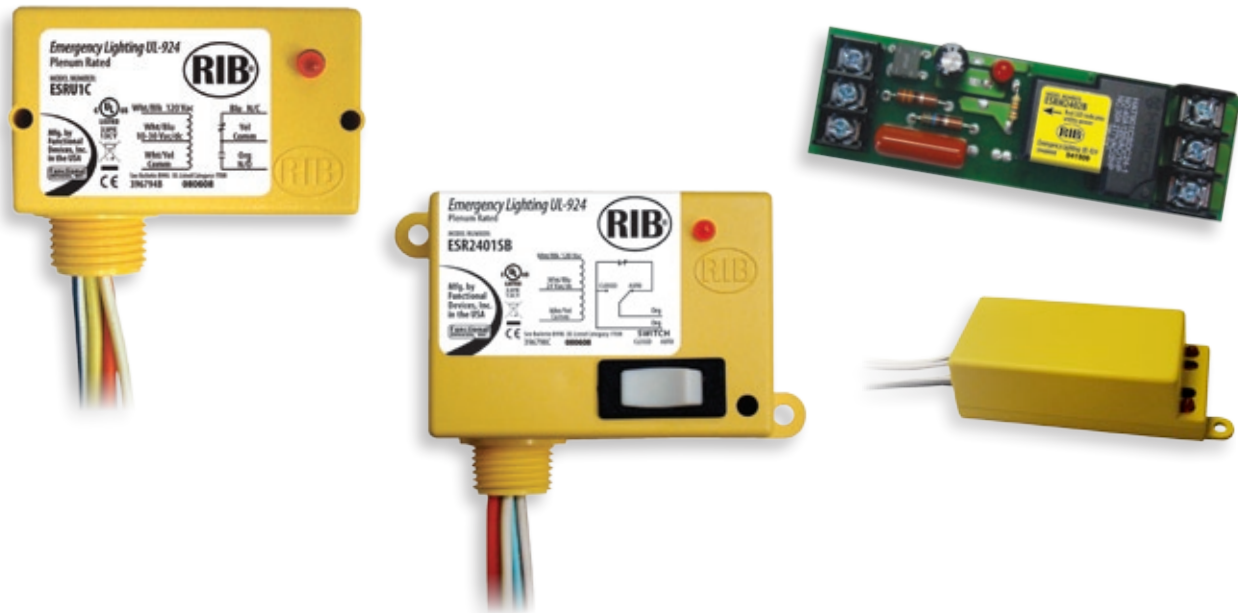


EMERGENCY UL924 BYPASS / SHUNT RELAYS



DESCRIPTION

Our UL924 Emergency Bypass/Shunt Relays are designed for applications that require an emergency load to be switched on during a loss of normal power. These economically priced relays are available prepackaged in their own NEMA 1 enclosure or panel versions to be installed inside an existing enclosure.

Models can be ordered with a two position closed/auto override test switch or with a custom two position momentary on/auto override test switch. These switches can be used to verify your emergency load is being switched properly during initial field wiring.

SPECIFICATIONS

See reverse side.

OPERATION

UL 924 Emergency Bypass/Shunt relays will switch a lighting load upon loss of normal power downstream of an emergency transfer switch, bypassing wall switch position (or any lighting control.) This ensures emergency lighting will be on during power loss.

FEATURES

- Multi-coil voltage input
- 10, 15, 20 Amp Contact Ratings
- Two position override test switch available
- Custom two position momentary override test switch available
- NEMA 1 enclosure
- Pre wired and prepackaged for convenience
- Red LED utility power indicator
- Mounts easily through ½" knockout or remotely on flat surfaces
- Bright yellow color for easy identification
- Panel style for use inside control panels
- UL 924 & California State Fire Marshall
- DPDT configurations
- 5 year warranty
- Made in USA



ESRE01C

UL924 / 3 AMP EMERGENCY BYPASS/SHUNT RELAY

Enclosed Relay 3 Amp SPDT with 120 Vac Coil



SPECIFICATIONS

Relays & Contact Type: One (1) SPDT Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Operate Time: 50mS
Relay Status: Red LED On = Activated
Emergency Power Present: Yellow LED On = Power Present
Dimensions: 4.60" x 1.20" x 1.70"
Wires: 16.00", 600V Rated
Approvals: UL Listed, UL924, C-UL, CE
Housing Rating: Plenum, NEMA 1
Gold Flash: No

Contact Ratings:

3 Amp Ballast @ 120/277 Vac

Coil Current:

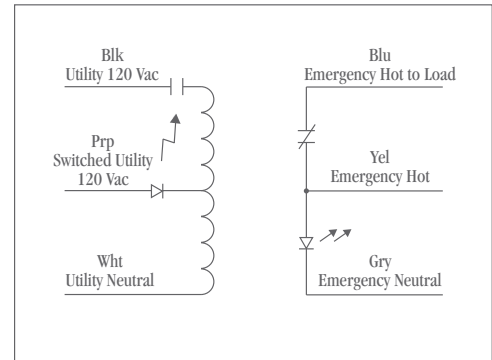
50 mA @ 120 Vac

Coil Voltage Input:

120 Vac ; 50-60 Hz

Notes:

» Control input detects wall switch, allowing emergency light to be used as normal lighting.



Smaller size design to fit inside ballast housing of fluorescent light fixture.

Initial Field Wiring Test Procedure

Models that have override test switches are set in the auto position from the factory. This allows emergency power to be switched to the load. To test field wiring connections at the time of installation, the override test switch should be changed to the "closed" position (illuminating emergency lighting) and then placed back to the "auto" position. The red LED shows the normal utility power is connected correctly.

NOTES

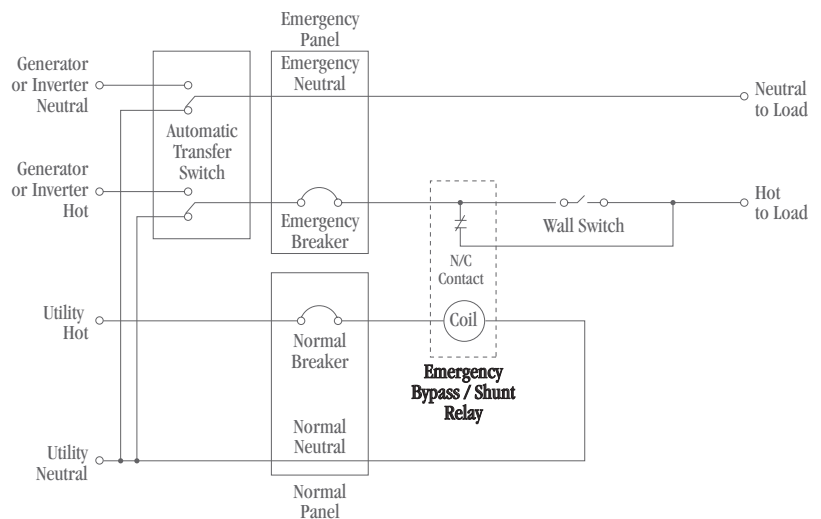
Shunt Relay Applications

Our Emergency Bypass / Shunt Relays are UL924 listed and suitable for shunting around wall switches in order to turn on emergency lighting in the event of loss of normal utility power.

When normal power is present, the ESR relay coil is activated and the emergency panel is fed from normal power. The lighting load can be switched on/off using an individual wall switch.

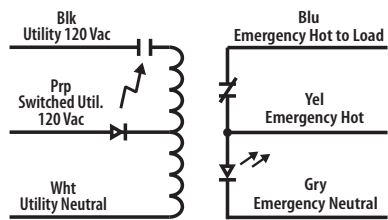
When normal power drops out, the ESR coil is deactivated and N/C contact falls closed. The automatic transfer switch changes over to backup (generator) power, and the lighting load is illuminated regardless of the position of the wall switch.

STANDARD SHUNT APPLICATION



(Not a wiring diagram for specific relay above. See wiring diagrams on next page.)

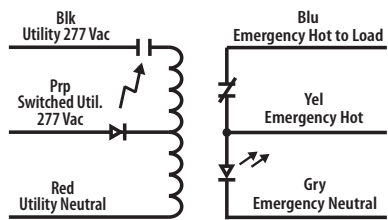
ESRE01C[^]



CONTACT RATINGS
3 Amp Ballast @ 120/277 Vac

COIL INPUT RATINGS
120 Vac @ 50 mA max

ESRE277C[^]



CONTACT RATINGS
3 Amp Ballast @ 120/277 Vac

COIL INPUT RATINGS
277 Vac @ 40 mA max