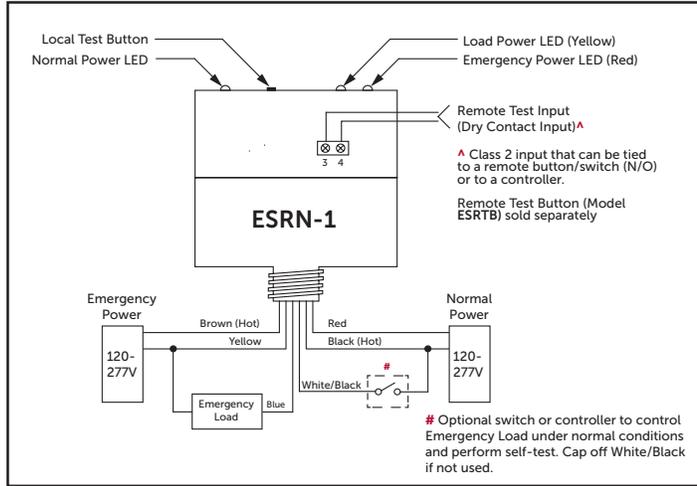


ESRN-1

Enclosed Relay 20 Amp SPST Automatic Load Control Relay



UL924 / 20 AMP AUTOMATIC LOAD CONTROL RELAY



Specifications

Relays & Contact Type: One (1) SPST 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 = Emergency Power
 Yellow = Load Power
 Dimensions: 4.0" x 4.57" x 1.80" with .50" NPT Nipple
 Wires: 16", 600V Rated
 Approvals: UL Listed, UL924, C-UL, CE, RoHS
 Housing Rating: UL Accepted for Use in Plenum, NEMA 1
 Gold Flash: No
 Override (Test Switch): No
 Humidity Range: 5-95%(noncondensing)

Coil Current:
 Normal Power = 24 mA max
 Emergency Power = 118 mA max
 Coil Voltage Input:
 Emergency Input: 120-277 Vac (50/60 Hz)
 Normal Input: 120-277 Vac (50/60 Hz)
 Contact Ratings:
 20 Amp Magnetic Ballast @ 277 Vac
 16 Amp Electronic Ballast @ 277 Vac
 10 Amp Tungsten @ 120 Vac

Test and Troubleshooting

Initial Test

Apply Emergency Power to the Emergency Power Input and 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.)

- The Red LED (Emergency Power available) should be ON.
- The Green LED (Normal Power available) should be ON.
- The Yellow LED (Load Status) should be OFF.
- The Load should be OFF.

Test Button

- Turn switched circuit OFF. Emergency light should be OFF.
- Press and hold "Local Test Button" or "Remote Test Button"
- Emergency light should turn ON.
- Release Test Button and emergency light should turn OFF.

Wall Switch or Controller Contact

- Turn ON switch if not already on.
- Emergency light should turn ON.
- Turn wall switch OFF.
- Emergency light will remain on for two seconds before turning off.

Bypass/Shunt Relay Application

Our Bypass/Shunt Relays are UL924 Listed and suitable for shunting around wall switches and/or lighting control panel circuits, in order to turn on emergency lighting when normal utility power is lost.

Using Emergency Lighting as Normal Lighting

