

SMRT COMMERCIAL LIGHTING CONTROLS

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SMRT-ESRN-1-NON DIM

UL924 / 20 AMP AUTOMATIC LOAD CONTROL RELAY, NON-DIMMING SMRT-ESRN-1 UL924 Emergency Lighting Automatic Load Control Relay, 20 Amp SPST, Universal 120-277 Vac Coil Input, Dry Contact Fire Alarm Interface ((. 3961713A Local Test Buttor Load Power LED (Yellow) SMRT-ESRN-1 aUL924 Emer al Power LED ergency Power LED (Red Remote Test For supply connections use 12 AWG win or larger rated for at least 75° C (167° F Patent Pending C C C User Stranger $\otimes \otimes$ Remote Test Input (Dry Contact Input) Class 2 input that can be tied to a re button/switch (N/O) or to a controlle 88 Remote Test Button (Model ESRTB) sold separately CAUTION: Risk of E MISE EN GARDE: Risque SMRT-ESRN-1 Emerger Normal 120-277V 120-277\ # Optional switch or controller to control Emergency Load under normal conditions ar perform self-test. Cap off White/Black if not **SPECIFICATIONS** TESTING AND TROUBLESHOOTING # Relays & Contact Type: One (1) SPST Continuous Duty Coil **Coil Current:** Initial Test Expected Relay Life: 10 million cycles minimum mechanical Normal Power =24 mA max Apply Emergency Power to the Emergency Power Input and Normal Operating Temperature: -30 to 140° F Emergency Power = 118 mA max Power to the Normal Power Input. (If using the Wall Switch Input, apply Operate Time: 18ms Normal Power to the switch also, but keep the switch OFF/OPEN.) **Coil Voltage Input:** LED: Green = Normal Power Emergency Input: 120-277 Vac a. The Red LED (Emergency Power available) should be ON. Red = Emergency Power (50/60 Hz) b. The Green LED (Normal Power available) should be ON. Yellow = Load Power Normal Input: 120-277 Vac c. The Yellow LED (Load Status) should be OFF. Dimensions: 4.00"H x 4.00"W x 1.81"D with 0.50" NPT nipple (50/60 Hz) d. The Load should be OFF. Housing Detail: See Housing C in housing guide for dimensions **Contact Ratings: Origin:** Made of US and non-US parts Test Button 20 Amp Magnetic Ballast @ 277 Vac Wires: 16", 600V Rated 1. Turn switched circuit OFF. Emergency light should be OFF. 16 Amp Electronic Ballast @ 277 Vac Approvals: UL Listed, UL924, C-UL, CE, RoHS 2. Press and hold "Local Test Button" or "Remote Test Button" Housing Rating: UL Accepted for Use in Plenum, NEMA 1 10 Amp Tungsten @ 120 Vac 3. Emergency light should turn ON. Gold Flash: No Override (Test Switch): No

Humidity Range: 5-95%(noncondensing)

BYPASS/SHUNT RELAY APPLICATION

USING EMERGENCY LIGHTING AS NORMAL LIGHTING

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.

4. Release Test Button and emergency light should turn OFF.

Wall Switch or Controller Contact

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

