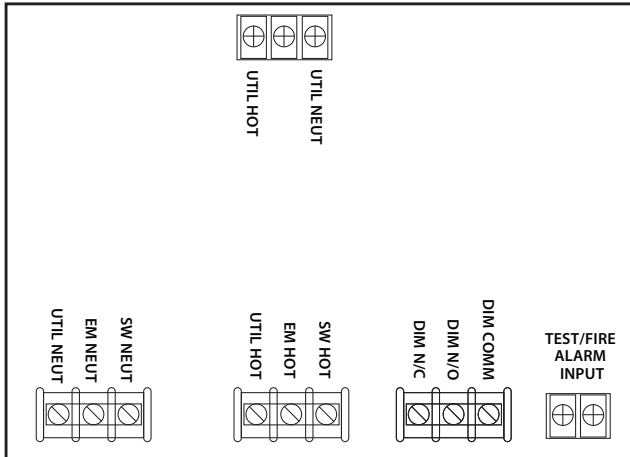


UL1008/UL924 BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH

ESR-BCELTS

Enclosed Branch Circuit Emergency Lighting Transfer Switch, 120-277 Vac, 50/60 Hz



SPECIFICATIONS

Expected Relay Life:	1 million cycles minimum mechanical
Operating Temperature:	-30° to 140° F (-35° to 60° C)
Humidity Range:	5 to 95% (noncondensing)
LEDs:	Green = Normal Power Red = Emergency Power Yellow = Load Power Available Blue = Fault
Dimensions:	8.30" H x 7.70" W x 3.90" D
Terminals:	Torque to 10 in-lb (1.1 Nm) Max.
Weight:	4.6 lbs
Origin:	Made of US and non-US parts
Approvals:	ETL Listed to UL1008 & UL924, CE, RoHS
Housing:	Plenum Rated, NEMA 1
Gold Flash:	No
Test Switch:	Yes
Test Input:	For Fire Alarm Panel, or Remote Test Button (ESRTB)

Contact Ratings:
16 A @ 120-277 Vac Electronic Ballast
16 A @ 120-277 Vac Magnetic Ballast
16 A @ 120-277 Vac Tungsten

Power Input:
Powered from EM HOT and EM NEUT
15 mA @ 120 Vac
11 mA @ 208 Vac
10 mA @ 240 Vac
9 mA @ 277 Vac

TYPICAL APPLICATION

The ESR-BCELTS is a Branch Circuit Emergency Lighting Transfer Switch. It is typically used to transfer a lighting load from Normal power to Emergency power during a loss of Normal power. It can also be used to override dimming controls or bypass a switch. This will turn the emergency lighting on at full brightness to meet requirements for egress lighting.

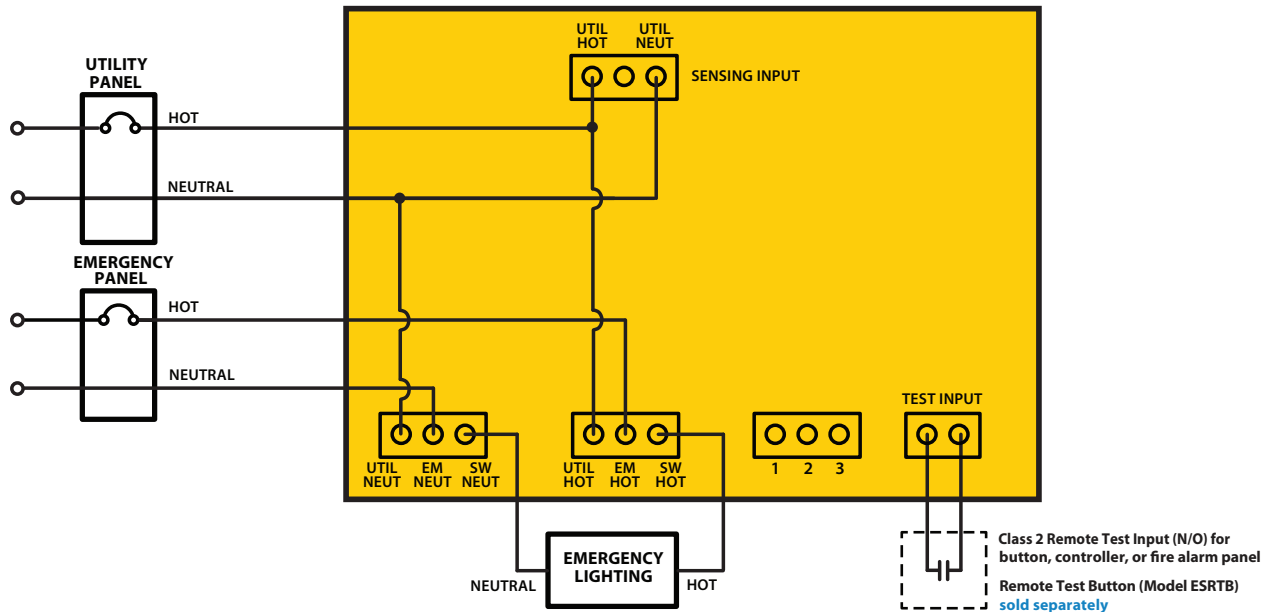
TROUBLESHOOTING

CONDITION	ACTION
Red LED is OFF	• Check Emergency Power Input wiring and voltage.
Green LED is OFF	• Check Normal Power Input wiring and voltage.
Yellow LED is ON but Load is OFF	• If using a Switch or Dimmer Control, make sure it is ON. • Check Load wiring. • Verify Load's operation voltage is the same as the Emergency Power Input Voltage. • Check bulbs and ballast. • Replace Unit.
Load is ON but Yellow LED is OFF	• Replace Unit.
Load does not turn on when being testing	• Check bulbs and ballast. • Check wiring connections if using a remote test option. • If using a Switch or Dimmer Control, make sure it is ON. • Replace Unit.
Load will not turn OFF when Switch or Dimmer Control is turned OFF	• Verify status of Utility Power Input. • Verify no test inputs are stuck closed.
Blue LED is flashing	• Cycle Emergency Power Input to the unit to reset the fault.

TYPICAL APPLICATION DIAGRAMS

For all other application diagrams and testing steps, see Bulletin B3272.

UL1008 - BASIC TRANSFER APPLICATION



UL924 - BYPASS APPLICATION

