



Emergency Lighting Bypass Controls

UL 924 Enclosed 20 Amp

Bypass Relay with Remote Emergency Control

KEY FEATURES

- 20 Amp 120/277VAC Relay
- Available with Dual Tap 120VAC or 277VAC Coil
- N/C isolated contacts
- UL listed
- No minimum load requirement
- Five-year warranty



OVERVIEW

Hubbell Building Automation’s enclosed 20 Amp electrically held UL 924 Bypass Relay is specifically designed for projects requiring bypass utilizing an unswitched emergency circuit that is not controlled by a relay in a panel or power pack. The control of the lighting on the emergency circuit is switched ON and OFF based on the normal circuit switching input to the unit. When the loss of commercial power occurs, the contact returns to its normally closed state and bypasses control to the emergency egress lighting. The unit includes an automatic test function that simulates utility power failure and holds emergency lighting on for 2.5 seconds each time the switched input is turned OFF.

FEATURES and BENEFITS

Features

Benefits

Universal 120-277VAC Contact Rating	• Easy installation to 120V or 277V loads
Bypass Relay Operation	• Electrically held shunt bypass closes when normal utility power fails • Emergency lighting held ON until normal power is restored
Uniform Control of Emergency and Normal Circuits	• Unit allows for single control input for emergency and normal circuits while in the Normal state • Dedicated relay in panel for emergency circuit is not required • Relay is supplied with unswitched emergency backup power circuit
Integral Indication of Power Source	• Green LED indicates normal utility power • Red LED indicates emergency power
Automatic Test	• Test occurs each time the circuit is controlled OFF • Emergency load is held on by the normally closed relay for 2.5 seconds, then relay is returned to the normal OFF state • Certified to meet UL requirements for testing of function

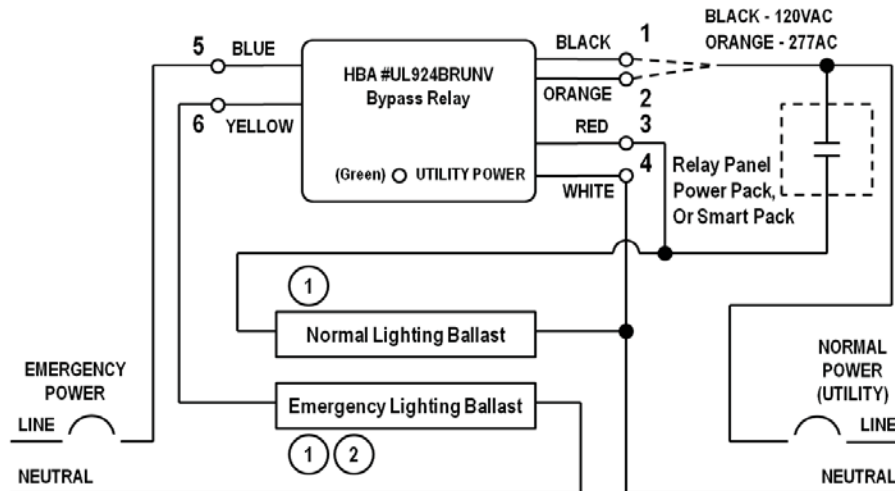
SPECIFICATIONS

# Relays & Contact Type	• One (1) SPST Continuous Duty Electrically Held Coil
Contact Ratings	• 1500 VA Tungsten @ 120VAC • 20 Amp Ballast @ 120/277VAC • 2 HP @ 277VAC • 1 HP @ 120VAC
Coil Current	• 0.06 A @ 120VAC • 0.06 A @ 277VAC
Coil Voltage Input	• UL924BRUNV: 120 or 277VAC; 60Hz
Operating environment	• Indoor use only • 32° to 140°F • Relative humidity (non-condensing): 0%–95%
Dimensions	• 3.75" x 1.75" x 1.25" with mounting ears for 1-gang box
Housing Rating	• Plenum, NEMA 1
Flame Rating	• UL94V-0
Wires	• 7", 105° C, 600V Rated
Certifications	• UL Listed, UL924
Warranty	• Five years

ORDERING INFORMATION

Catalog Number	Description
UL924BRUNV	UL924 Emergency Control Relay (Shunt or Bypass) with auto test 120-277VAC Coil

WIRING DIAGRAM



- ① Switched with Normal Load when Normal Power is available
- ② Held ON when Normal Power is not available and Emergency Power is available



Hubbell Building Automation, Inc.
 9601 Dessau Road | Building One | Austin, Texas 78754
 {512} 450-1100 | {512} 450-1215 fax
hubbell-automation.com