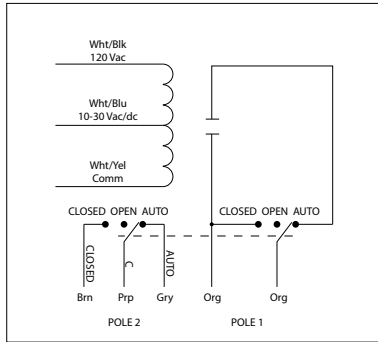


10 AMP PILOT CONTROL RELAYS

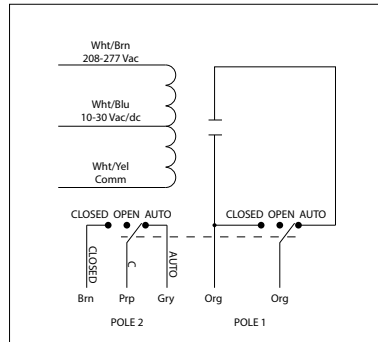
RIBU1SM-250

Pilot Relay, 10 Amp SPST-N/O + Override + Monitor, 10-30 Vac/dc/120 Vac Coil, NEMA 1 Housing



RIBH1SM-250

Pilot Relay, 10 Amp SPST-N/O + Override + Monitor, 10-30 Vac/dc/208-277 Vac Coil, NEMA 1 Housing



SPECIFICATIONS

Relays & Contact Type: One (1) SPST Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Operate Time: 20ms
Relay Status: LED On = Activated
Dimensions: 2.39"H x 3.31"W x 1.81"D with 0.50" NPT nipple
Housing Detail: See **Housing B** in housing guide for dimensions
Origin: Made of US and non-US parts
Wires: 16", 600V Rated
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Housing Rating: UL Accepted for Use in Plenum, NEMA 1
Gold Flash: Yes
Override Switch: Yes + Monitor

Contact Ratings:
 10 Amp Resistive @ 120/250 Vac
 345 VA Pilot Duty @ 120/240 Vac
 211 VA Pilot Duty @ 120/240 Vac
 1/3 HP @ 120-240 Vac (N/O)
 1/6 HP @ 120-240 Vac (N/C)

Coil Current:
 55 mA @ 30 Vac
 28 mA @ 120 Vac (RIBU1SM-250)
 39 mA @ 208-277 Vac (RIBH1SM-250)
 20 mA @ 30 Vdc

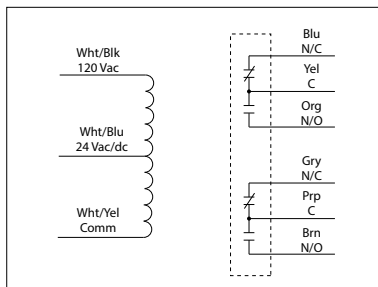
Coil Voltage Input:
 10-30 Vac/dc; 120 Vac; 50-60 Hz (RIBU1SM-250)
 10-30 Vac/dc; 208-277 Vac; 50-60 Hz (RIBH1SM-250)
 Drop Out = 2.1 Vac / 2.8 Vdc
 Pull In = 9 Vac / 10 Vdc

Notes:
 • Second pole of override switch can be connected to digital-in of controller to report position of override switch
 • Rating of second pole is 250 Vac max and 5 Amp max
 • Order Normally Closed by adding "-NC" to end of model number

10 AMP PILOT CONTROL RELAYS

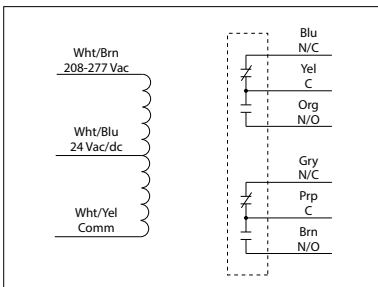
RIB2401D

Pilot Relay, 10 Amp DPDT, 24 Vac/dc/120 Vac Coil, NEMA 1 Housing



RIB2402D

Pilot Relay, 10 Amp DPDT, 24 Vac/dc/208-277 Vac Coil, NEMA 1 Housing



RIB2401D-RD
RIB2402D-RD
 • Red housing

RIB2401D-N4
RIB2402D-N4
 • NEMA 4X housing

SPECIFICATIONS

Relays & Contact Type: One (1) DPDT Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Operate Time: 8ms
Relay Status: LED On = Activated
Dimensions: 1.70"H x 2.80"W x 1.50"D with 0.50" NPT nipple
Housing Detail: See **Housing A** in housing guide for dimensions
Origin: Made of US and non-US parts
Wires: 16", 600V Rated
Approvals: UL Listed, C-UL, CE, RoHS (All models)
 UL916 (RIB2401D, RIB2401D-RD, RIB2402D, RIB2402D-RD)
 UL864, California State Fire Marshal (RIB2401D-RD, RIB2402D-RD)
 UL508 (RIB2401D-N4, RIB2402D-N4)
Housing Rating: UL Accepted for Use in Plenum, NEMA 1
Gold Flash: No
Override Switch: No

Contact Ratings:
 10 Amp Resistive @ 30 Vdc
 10 Amp General Use @ 277 Vac
 1/2 HP @ 120/240 Vac (N/O)
 1/3 HP @ 120/240 Vac (N/C)
B300 Pilot Duty
 120 Vac 30A Make 3A Break (360 VA)
 240 Vac 15A Make 1.5A Break (360 VA)
 208 Vac 17.3A Make 1.73A Break (360 VA)
 277 Vac 13A Make 1.3A Break (360 VA)
 24 Vac 30A Make 5A Break (120VA) 5A Max

Coil Current:
 24 mA @ 18 Vac
 32 mA @ 24 Vac
 40 mA @ 30 Vac
 31 mA @ 120 Vac (RIB2401D)
 36 mA @ 208-277 Vac (RIB2402D)
 20 mA @ 20 Vdc
 24 mA @ 24 Vdc
 36 mA @ 30 Vdc

Coil Voltage Input:
 24 Vac/dc; 120 Vac; 50-60 Hz (RIB2401D)
 24 Vac/dc; 208-277 Vac; 50-60 Hz (RIB2402D)
 Drop Out = 3 Vac / 3.8 Vdc
 Pull In = 18 Vac / 20 Vdc