

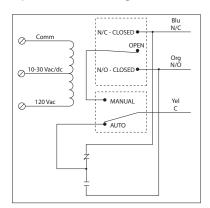
Functional Devices, Inc. 101 Commerce Drive, Sharpsville, IN 46068

Email: sales@functionaldevices.com | Website: www.functionaldevices.com Office: (765) 883-5538 | Fax: (765) 883-7505 Toll Free: (800) 888-5538

# **10 AMP PILOT CONTROL RELAYS**

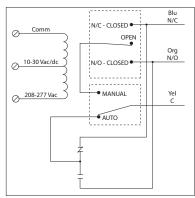
## **RIBTU1SC**

Pilot Relay, 10 Amp SPDT + Override, 10-30 Vac/dc/120 Vac Coil, Hi/Lo Voltage Separation, NEMA 1 Housing



## **RIBTH1SC**

Pilot Relay, 10 Amp SPDT + Override, 10-30 Vac/dc/208-277 Vac Coil, Hi/Lo Voltage Separation, NEMA 1 Housing















## **SPECIFICATIONS**

# Relays & Contact Type: One (1) SPDT 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:** 4.00"H x 4.00"W x 1.81"D with 0.50"NPT nipple

**Housing Detail:** See **Housing C** 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 (2)

#### **Contact Ratings:**

10 Amp Resistive @ 277 Vac 480 VA Pilot Duty @ 277 Vac 480 VA Ballast @ 277 Vac

Not rated for Electronic Ballast

600 Watt Tungsten @ 120 Vac (N/O) 240 Watt Tungsten @ 120 Vac (N/C)

1/3 HP @ 120-240 Vac (N/O)

1/6 HP @ 120-240 Vac (N/C) 1/4 HP @ 277 Vac (N/O)

1/8 HP @ 277 Vac (N/C)

**Coil Current:** 33 mA @ 10 Vac

13 mA @ 10 Vdc 15 mA @ 12 Vdc 35 mA @ 12 Vac 46 mA @ 24 Vac 18 mA @ 24 Vdc

55 mA @ 30 Vac 20 mA @ 30 Vdc

28 mA @ 120 Vac (RIBTU1SC) 39 mA @ 208-277 Vac (RIBTH1SC)

## Coil Voltage Input:

10-30 Vac/dc; 120 Vac; 50-60 Hz (RIBTU1SC) 10-30 Vac/dc; 208-277 Vac; 50-60 Hz (RIBTH1SC)

Drop Out = 2.1 Vac / 2.8 VdcPull In = 9 Vac / 10 Vdc