RIB Building Automation

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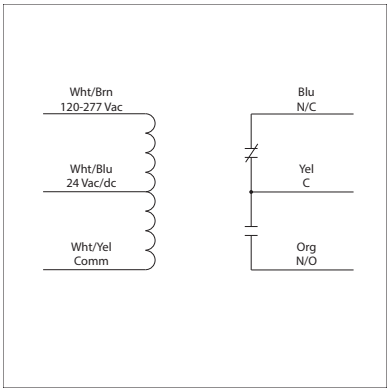
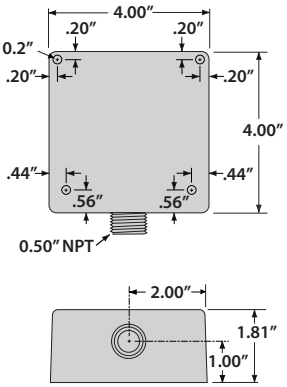
DRY CONTACT INPUT TIME DELAY RELAYS

RIBD2421C

Time Delay Pilot Relay, 10 Amp SPDT, 24 Vac/dc/120-277 Vac Coil, 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: 6ms after time delay
Relay Status: RED LED On = Activated
Time Delay Status: PINK LED FLASHING = Timing
Timing Mode: Delay On Make (N/O)
Timing Range: 6 seconds - 20 minutes
Timing Adjustment: 4 position DIP switch for range selection and single turn potentiometer for timing adjustment within range
Timing Tolerance: Switches 1& 2 = ±10%
Switches 3 & 4 = ±5%
Timing Repeatability: ±1%
Temperature Timing Variance: ±1%
Voltage Timing Variance: ±1%
Recycle Time: 750ms Maximum
Gold Flash: No
Override Switch: No

Contact Ratings:
10 Amp General Use @ 277 Vac
10 Amp Resistive @ 30 Vdc (N/O)
7 Amp Resistive @ 30 Vdc (N/C)
1/2 HP @ 125 Vac
1 HP @ 250 Vac
1/4 HP @ 277 Vac
C300 Pilot Duty

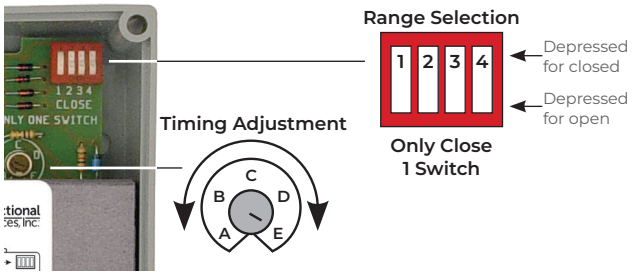
Coil Voltage Input:
24 Vac/dc ; 120-277 Vac ; 50-60 Hz
Drop Out = 3 Vac / 3.8 Vdc
Pull In = 20 Vac / 20 Vdc

Input Current:
66 mA @ 24 Vac
38 mA @ 24 Vdc
40 mA @ 120-277 Vac

Approvals:
UL Listed, UL916, UL864, C-UL California State Fire Marshal, CE, RoHS

Housing Rating:
UL Accepted for Use in Plenum, NEMA 1

Dimensions: 4.00"H x 4.00"W x 1.80"D with .50" NPT hub
Wires: 16", 600V Rated

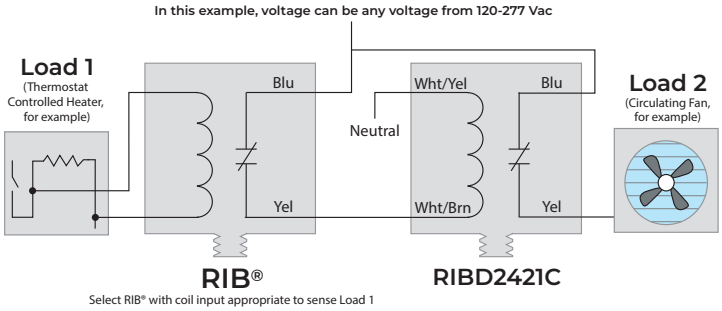


TIMING TABLE

Switch Ranges	Close Dip Switch	Potentiometer Setting A ⟷ B ⟷ C ⟷ D ⟷ E				
6s - 20s	1	6s	9s	13s	16s	20s
22s - 1min15s	2	22s	36s	50s	1min4s	1min15s
1min30s - 5min	3	1min30s	2min10s	3min20s	4min16s	5min
6min - 20min	4	6min	9min	13min20s	17min20s	20min

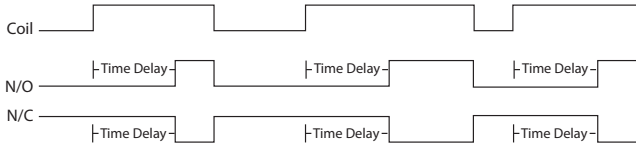
TIME DELAY APPLICATION

Load 2 stays on selected amount of time after Load 1 goes off



Select RIB® with coil input appropriate to sense Load 1

TIMING DIAGRAM



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