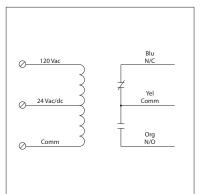


RIBTD2401B

Enclosed Time Delay Relay 20 Amp SPDT with 24 Vac/dc/120 Vac Coil





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& $2 = \pm 10\%$ Switches 3 & $4 = \pm 5\%$

Timing Repeatability: ±1% Temperature Timing Variance: ±1% Voltage Timing Variance: ±1%

Recycle Time: 750ms Maximum

Dimensions: 4.00" x 4.00" x 1.80" with .50" NPT nipple

Approvals: UL Listed, UL916, C-UL

Housing Rating: UL Accepted for Use in Plenum, NEMA 1
Gold Flash: No

Override Switch: No

Contact Ratings:

20 Amp Resistive @ 277 Vac 20 Amp Ballast @ 277 Vac 16 Amp Electronic Ballast @ 277 Vac (N/O)

10 Amp Tungsten @ 120 Vac (N/O) 770 VA Pilot Duty @ 120 Vac 1,110 VA Pilot Duty @ 277 Vac

sales@functionaldevices.com

2 HP @ 277 Vac

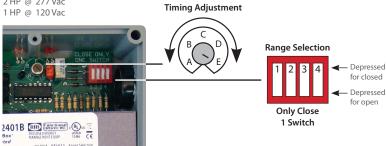
Input Current:

133 mA @ 24 Vac 45 mA @ 24 Vdc 51 mA @ 120 Vac

RIBTD2401B

24 Vac/dc; 120 Vac; 50-60 Hz Drop Out = 3 Vac / 3.8 Vdc Pull In = 20 Vac / 20 Vdc

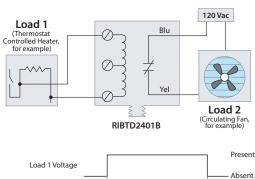
Coil Voltage Input:

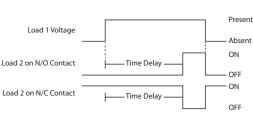


TIMING TABLE						
Switch Ranges	Close Dip Switch	A ∢		tentiometer Se		→ E
6s-20s	1	6s	9s	13s	16s	20s
22s-1min15s	2	22s	36s	50s	1min4s	1min15s
1min30s-5min	3	1min30s	2min10s	3min20s	4min16s	5min
6min-20min	4	6min	9min	13min20s	17min20s	20min

Time Delay Application Example #1

Load 2 stays ON selected amount of time after Load 1 turns ON (N/C) Load 2 stays OFF selected amount of time after Load 1 turns ON (N/O)





Time Delay Application Example #2 (Requires an Inverting Relay)

Load 2 stays ON selected amount of time after Load 1 turns OFF (N/C) Load 2 stays OFF selected amount of time after Load 1 turns OFF (N/O)

