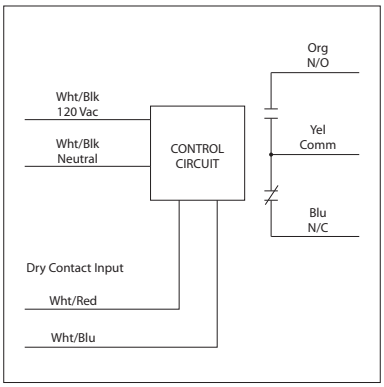
## DRY CONTACT INPUT TIME DELAY RELAYS

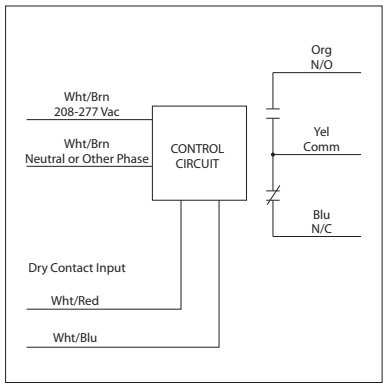
### RIBD01BDC

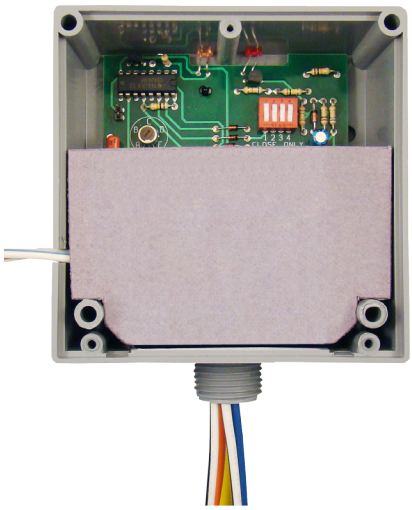
Enclosed Delay on Make Relay 20 Amp SPDT, Class 2 Dry Contact Input, 120 Vac Power Input




### RIBD02BDC

Enclosed Delay on Make Relay 20 Amp SPDT, Class 2 Dry Contact Input, 208-277 Vac Power Input



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RELAYS

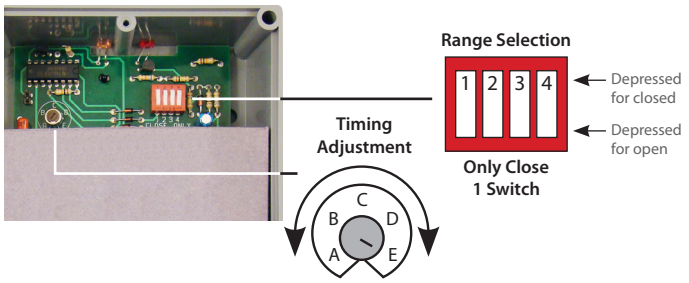
## SPECIFICATIONS

**# 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:** 18ms after time delay
**Relay Status:** Red LED On = Activated
**Time Delay Status:** Pink LED FLASHING = Timing / Relay Deactivated
**Timing Mode:** Delay On Make
**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
**Dimensions:** 4.00˝ x 4.00˝ x 1.80˝ with .50˝ NPT nipple
**Wires:** 16˝, 600V Rated
**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
2 HP @ 277 Vac
1 HP @ 120 Vac

**Power Input:**
42 mA @ 120 Vac (RIBD01BDC)
62 mA @ 208-277 Vac (RIBD02BDC)

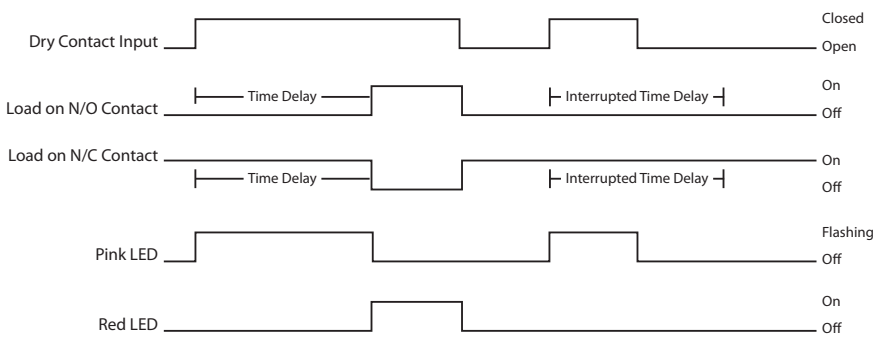
**Notes:**
- Dry Contact Input Operation: Close White/Red wire to White/Blue wire to start timing. Relay will activate after timing sequence has ended.
- If more than one dry contact RIB® shares a single dry contact input, White/Blue must be common.



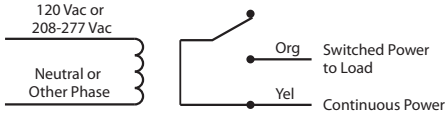

### TIMING TABLE

| 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 |

**Delay on Make**




**Wiring for Load on N/O Contact**




**Wiring for Load on N/C Contact**