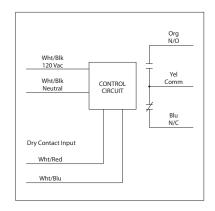


sales@functionaldevices.com

DRY CONTACT INPUT TIME DELAY RELAYS

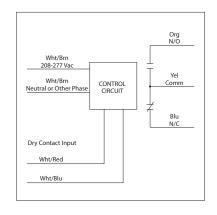
RIBD01BDC-DOB

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



RIBD02BDC-DOB

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













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 Break 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: $\pm 1\%$ 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, CE, RoHS

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

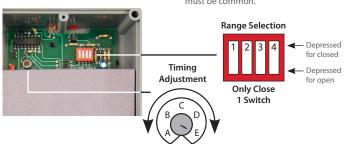
Power Input:

42 mA @ 120 Vac (RIBD01BDC-DOB) 62 mA @ 208-277 Vac (RIBD02BDC-DOB)

Notes:

• Dry Contact Input Operation: Open White/Red wire and 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 | A ⋖ | | tentiometer : | Setting → D ← | → F |
| 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 |

