RIB Building Automation

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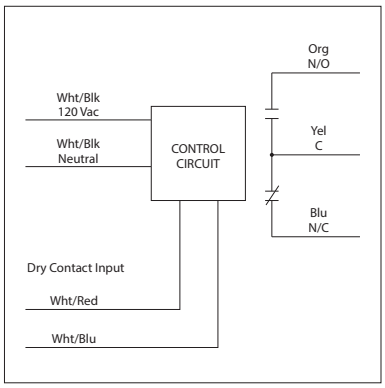
DRY CONTACT INPUT TIME DELAY RELAYS

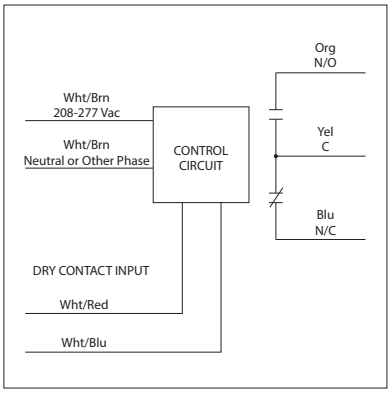
RIBD01BDC

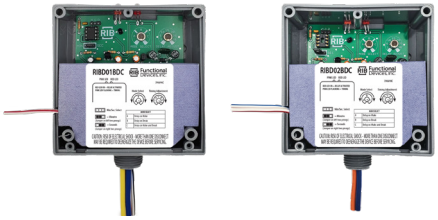
Time Delay Dry Contact Relay, 20 Amp SPDT, Class 2 Dry Contact Input, 120 Vac Power Input, NEMA 1 Housing



RIBD02BDC

Time Delay Dry Contact Relay, 20 Amp SPDT, Class 2 Dry Contact Input, 208-277 Vac Power Input, NEMA 1 Housing





SPECIFICATIONS

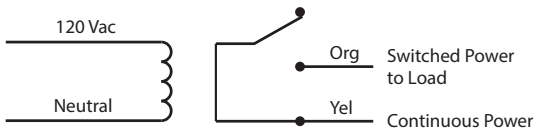
 # Relays & Contact Type: One (1) SPDT Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Operate Time: 18ms after time delay
Relay Status: Red LED On = Activated
Time Delay Status: Pink LED FLASHING = Timing
Timing Mode: Selectable: Delay On Make, Delay On Break, or Delay On Make and Break
Timing Range: 1-30 Seconds or 1-30 Minutes
Timing Adjustment: 3 pin header w/jumper for sec/min and single turn potentiometer for timing adjustment within range
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: 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

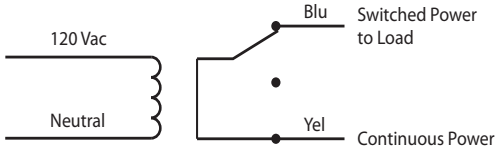
Power Input:
66 mA @ 120 Vac (RIBD01BDC)
62 mA @ 208-277 Vac (RIBD02BDC)

Notes:
- Dry Contact Input Operation:
  Mode A&C: Close White/Red wire to White/Blue wire to start timing. Relay will activate after timing sequence has ended.
- Mode B&C: Open White/Red and White/Blue wires to start timing. Relay will deenergize after timing sequence has ended.
- If more than one dry contact RIB® shares a single dry contact input, White/Blue must be common.
- Changing min/sec or mode while unit is running will reset the unit (de-energize the relay and turn off the timer). Once the dry-contact input is opened the unit will function as normal again
- If the unit is powered up with the dry-contact input closed, the unit will begin timing (MODE A and MODE C) or energize the relay (MODE B).

Wiring for Load on N/O Contact



Wiring for Load on N/C Contact



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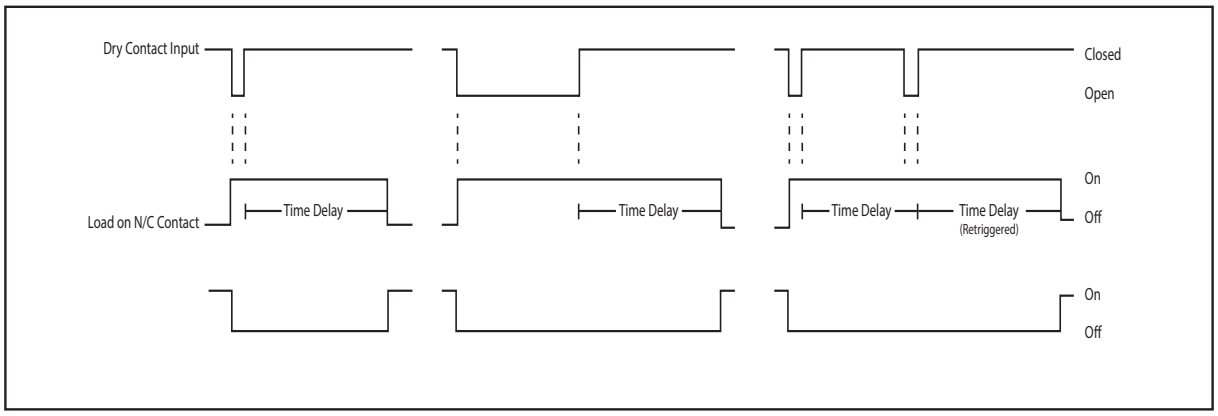
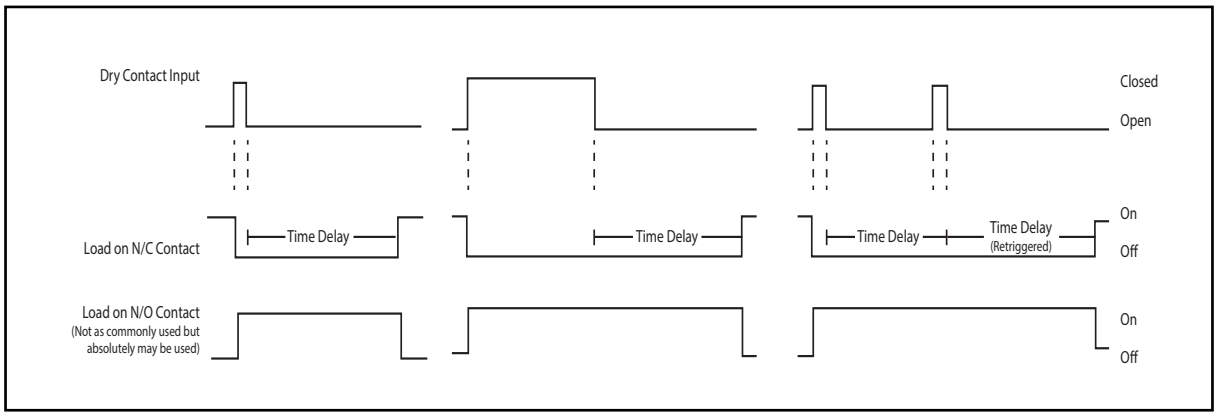
MODE A: DELAY ON MAKE



MODE B: DELAY ON BREAK



MODE C: DELAY ON MAKE AND DELAY ON BREAK