

Provide general purpose switching and control of heavy electrical circuits such as large resistive, motor and lighting loads in HVAC, temperature control, fire alarm, security, building automation and lighting control systems.

- Supplied mounted and prewired in compact plastic enclosure.
- All coil and relay wires exit through single NPT nipple.
- Powered by any one of multiple AC and DC voltages.
- Externally visible LED indicates relay status.
- “Closed-Open-Auto” override switch option available.
- UL listed including UL916 Energy Management, UL864 Fire.



APPROVALS: U.L. listed; UL916; UL864; ULC listed; CSFM.
RELAY LIFE RATING: 10 million cycles mechanical, min.
RELAY STATUS: Relay activated when LED lit.
FREQUENCY: 50/60 Hz for all AC voltages.
OVERRIDE: “Closed-Open-Auto” switch.
OPERATING AMBIENT: -30° to 140°F (-34° to 60°C).

LEADWIRES: 16-inches (40.6cm), 600V rated.
ENCLOSURE: Plenum rated, NEMA 1.
DIMENSIONS: Size B: 2.3”x3.2”x1.8” (5.8x8.1x4.6cm).
Size C: 4”x4”x1.8” (10.2x10.2x4.6cm).
MOUNTING: Surface or 1/2” NPT nipple (hub).

MAXIMUM COIL CURRENT (NOMINAL)

50 ma @ 24 vdc	95 ma @ 120 vac
42 ma @ 30 vdc	95 ma @ 208-277 vac
125 ma @ 24 vac	95 ma @ 480 vac

COLOR CODES - RELAY COIL LEADWIRES

common - white/yellow	120 vac - white/black
24 vac/dc - white/blue	208-277 vac white/orange
24 vac - white/yellow	480 vac - white/green

COIL PULL-IN/DROP-OUT VOLTAGE (NOMINAL)

COIL VOLTAGE	PULL-IN		DROP-OUT	
	VDC	VAC	VDC	VAC
24 vac/dc	22	20	3.8	3
120 vac	---	85	---	35
208-277 vac	---	160	---	60
480 vac	---	340	---	140

Model	Relay Type	Coil Voltage	OVR Switch	Contact Ratings	Size - Hub	Relay Contact Wiring
RIB2401B	1-SPDT	24 vac/dc, 120 vac	----	20A Resistive @ 277vac; 1HP @ 120 vac; 2 HP @ 277 vac; Ballast: 20A N.O., 10A N.C. @ 120/277 vac;	B-1/2”	NC (blue)
RIB2402B		24 vac/dc, 208-277 vac	----			COM (yellow)
RIB2401SB	1-SPST-NO	24 vac/dc, 120 vac	Yes	10A N.O. Tungsten @ 120 vac; Pilot Duty: 770VA @ 120 vac, 1,110VA @ 277 vac	B-1/2”	NO (orange)
RIB2402SB		24 vac/dc, 208-277 vac	Yes			
RIB24P	1-DPDT	24 vac/dc	----	20A Resistive @ 300 vac, 15, 28 vdc; 15A Resistive @ 600 vac; 1 HP @ 120 vac; 2 HP @ 240-277 vac; 3 HP @ 480-600 vac; 20A Ballast @ 277-480 vac; Pilot Duty: 770VA @ 120 vac, 1,158VA @ 240 vac; 1,110VA @ 277 vac; 1,640 VA @ 480 vac	B-1/2”	NC (blue)
RIB01P		120 vac	----			COM (yellow)
RIB02P		208-277 vac	---			NO (orange)
RIB04P		480 vac	---			