



RIC SERIES

Multi-Voltage Control Relays

The **RIC-1 & RIC-2** Series Relays are multi-voltage devices providing form "C" contacts rated for up to 10 amps. The relays may be energized by one of three input voltages: 24 VDC, 24 VAC, or 115 VAC. Each relay contains a red LED which indicates when the relay coil is energized. To mount the RIC-1 and RIC-2 place the spud through a 1/2 in. (12.7 mm) knockout on a junction box. The relays are also packaged with wire-nuts to aid installation. The RIC-1 and RIC-2 Relays are ideal for applications where remote relays are required for control or status feedback. They are suitable for use with HVAC, Temperature Control, Fire Alarm, Security, Energy Management and Lighting Control Systems.

The **RIC-3** Series relays are multi-voltage devices providing SPDT or form "C" contacts rated for up to 10 Amps. The relays may be energized by one of two input voltages, 24 VDC or 24 VAC. The relays can withstand a momentary interruption of control voltage for 2 to 3 seconds without dropping their contacts. This feature makes them perfect for applications where pulsed or sequenced input voltage is employed, or where momentary control voltage interruption is expected. The RIC-3 is nonpolarized on the DC control input. To mount the RIC-3, push the spud through a 1/2" (12.7 mm) knockout on a junction box. In addition to the redundant wire leads provided on the control voltage input, the relays are also packaged with wire-nuts to aid installation. The RIC-3 is ideal for applications where remote relays are required for control or status feedback. The RIC-3 is suitable for use with HVAC, Temperature Control, Fire Alarm, Security, Energy Management and Lighting Control Systems.

Applications: HVAC, Temperature Control, Fire Alarm, Security, Energy Management & Lighting Control Systems

The RIC Relays are covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

PRODUCT SPECIFICATIONS • RIC-1, RIC-2

Nominal Relay Coil Voltage (Rated Current):	24 VDC (18 mA), 24 VAC (39 mA), 115 VAC (26 mA)
Contact Form (RIC-1):	Form 1C (SPDT Contact)
Contact Form (RIC-2):	Form 2C (DPDT Contact)
Maximum Contact Switching Voltage:	115 VAC / 28 VDC
Maximum Contact Switching Current:	7A resistive @ 28 VDC 10A resistive @ 115 VAC (PF*=0.35 inductive)
Status LED Indication:	Yes Red LED "On": (Relay Energized "COM to N/O") Red LED "Off": (Relay De-Energized "Com to N/C")
Polarized:	No
Wire Lead Length Size:	12" 18 AWG
Operating Temperature Range:	32 to 120°F (0 to 49°C)
Operating Humidity Range:	0 to 85%, non-condensing
Mounting:	Spud mounting through a 1/2"(12.7 mm) conduit knockout
Agency Approvals:	UL1: U0XX/7.S3403 MEA: 73-92-E Vol. 23 CSFM: 7300-1004:101
Product Weight:	0.35 lbs. (0.159 Kg)
Product Dimensions (L x W x H):	2.50" (63 mm) x 1.75" (44 mm) x 1.30" (33 mm)

Note* = U0XX=Control Unit Accessories, System; /7=also Certified for Canada

PRODUCT SPECIFICATIONS • RIC-3

Nominal Relay Coil Voltage (Rated Current):	24 VDC (32 mA), 24 VAC (41 mA)
Delay Upon De-Energization:	2-3 Seconds
Contact Form:	Form 1C (SPDT Contact)
Maximum Contact Switching Voltage:	115 VAC / 28 VDC
Maximum Contact Switching Current:	7A resistive @ 28 VDC 10A resistive @ 115 VAC (PF*=0.35 inductive)
Polarized:	No
Number of Wires Wire Lead Length Size:	7 "flying" leads 12" 18 AWG (Wire-nuts provided)
Operating Temperature Range:	32 to 120°F (0 to 49°C)
Operating Humidity Range:	0 to 93%, non-condensing
Mounting:	Spud mounting through a 1/2"(12.7 mm) conduit knockout
Agency Approvals:	UL1: U0XX/7.S3403 MEA: 73-92-E Vol. 34 CSFM: 7300-1004:101
Product Weight:	0.35 lbs. (0.159 Kg)
Product Dimensions (L x W x H):	2.50" (63 mm) x 1.75" (44 mm) x 1.30" (33 mm)

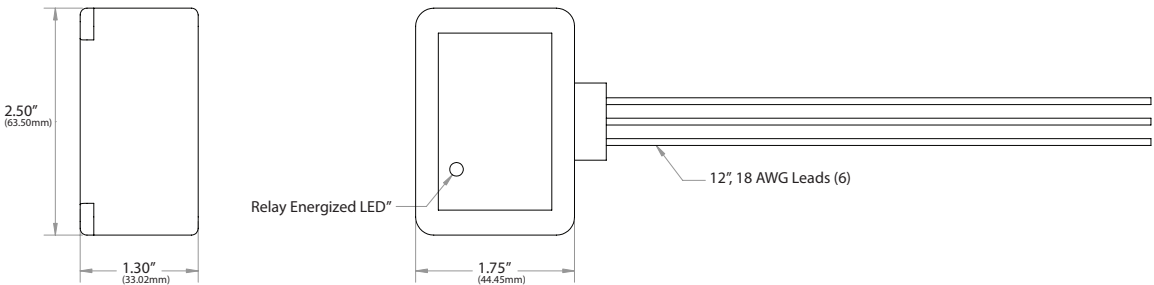
Note* = U0XX=Control Unit Accessories, System; /7=also Certified for Canada



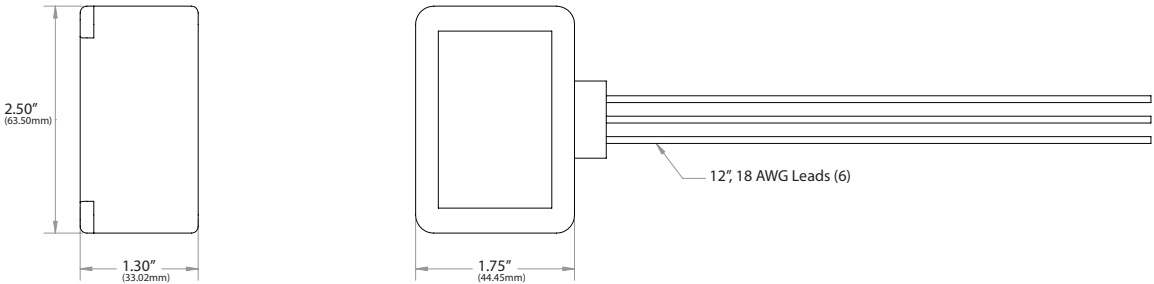


DIMENSIONAL DRAWING

RIC-1, RIC-2



RIC-3



Front View

Right View

STANDARD ORDERING

Model # Example: RIC-1 -OR- 132885

Model #	Item #	Description	Contact Form	Wire Leads	Polarized
RIC-1	132885	Multi-Voltage Device	Form 1C (SPDT Contact)	6 "flying" leads 12" / 18 AWG Wire-nuts provided	No
RIC-2	132886	Multi-Voltage Device	Form 2C (DPDT Contact)	9 "flying" leads 12" / 18 AWG Wire-nuts provided	No
RIC-3	132887	Multi-Voltage Device	Form 1C (SPDT Contact)	6 "flying" leads 12" / 18 AWG Wire-nuts provided	No

