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RIB® Building Automation

Confidence & Peace of Mind in Every Box™

2022 NEW PRODUCTS

POWER CONTROL | SPECIALTY PERIPHERAL CONTROLS | ENCLOSURES ACCESSORIES | WIRELESS DEVICES | ENERGY SAVING DEVICES

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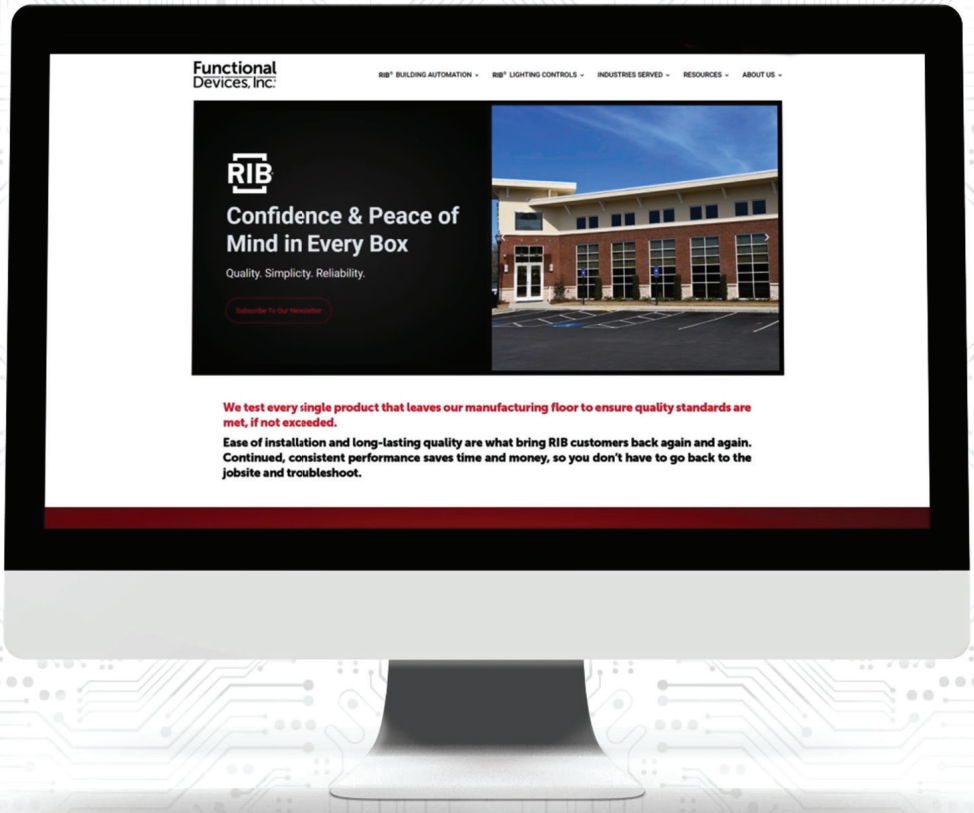


New Prepackaged DIN Rail RIB® Control Relays for your next Control Panel Project

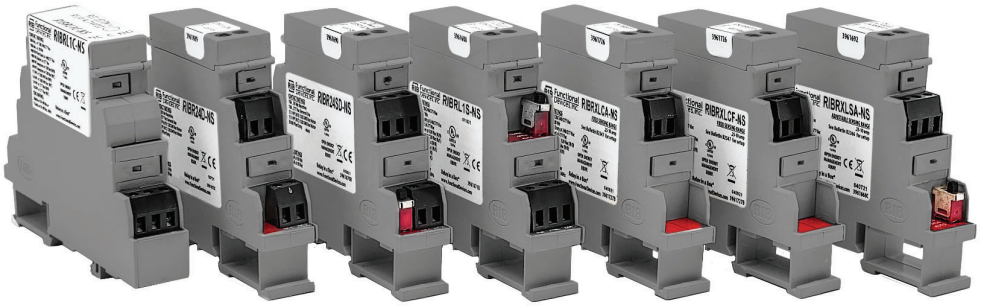
Introducing the latest innovation of our DIN Rail RIB® control relay series, the "DIN RIB® Relay." These new models include a non-removable relay allowing for the unit to be completely enclosed, offering the same great quality we offer in all our enclosed relay products. This new series is a great value and a perfect choice for your panel design projects.

Product Features

- Prepackaged for your convenience
- 10 Amp contact rating
- 10-30 Vac/dc or 24 Vac/dc coil voltage
- Transient protection
- Models available with override switch
- Current sensor models with adjustable threshold
- UL916 Listed

Benefits

- Suitable for a wide variety of applications
- Slim, Trim and compact
- Multi-coil voltages eliminate need to stock multiple equivalent relays
- Price competitive
- Made in the U.S.A.



NEW PRODUCT

DIN MOUNT RELAYS

Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE			CONTACT RATINGS				
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	OVERRIDE SWITCH	TRACK MOUNT ^
RIBRL1C-NS	• [1]	10-30		1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240/277 Vac		DIN Rail
RIBRL1S-NS	• [1]	10-30		1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240/277 Vac	1 #	DIN Rail
RIBR24D-NS	• [1]	24		1 DPDT	10 A @ 277 Vac	1/2 HP @ 120-240 Vac (N/O)	B300		DIN Rail
RIBR24SD-NS	• [1]	24		1 DPDT	10 A @ 277 Vac	1/2 HP @ 120-240 Vac (N/O)	B300	1 #	DIN Rail

DIN MOUNT AC SENSORS WITH RELAYS

Product Selection Guide. For full product information, see our website.

MODEL #		COIL VOLTAGE	RELAY CONTACTS	OVERRIDE SWITCH	RESISTIVE	SENSING RANGE	TYPE *	THRESHOLD	SENSOR CONTACT TYPE	SWITCHING VOLTAGE RANGE	MAX. SWITCHING CURRENT	TRACK MOUNT ^
RIBRXLCF-NS	• [1]	10-30 Vac/dc	1 SPST		10 A @ 277 Vac	.25-10 A	Internal	Fixed, .25 A	Solid State Switch Contact	30 Vac/dc	.1 Amps Max	DIN Rail
RIBRXLSA-NS	• [1]	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	.25-10 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.1 Amps Max	DIN Rail

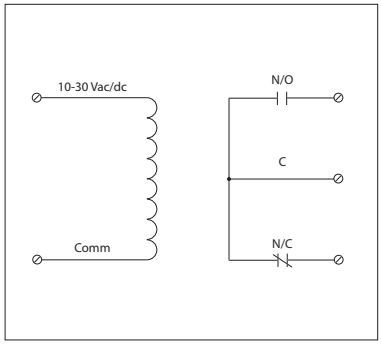
[1] = UL Listed : UL916 Energy Management ; USA & Canada # = Coil side relay override (requires unit to be powered) * = Internal current sensor monitors current through common contact of relay ^ = Track mount sold separately

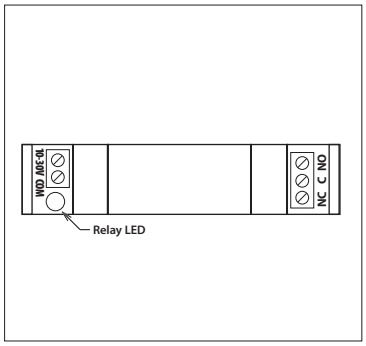
DIN Rail (ADIN35) and pair of end stops (ADIN35ES) sold separately.

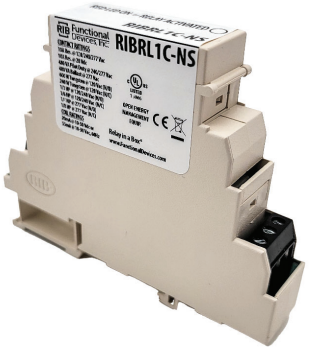
10 AMP PILOT CONTROL RELAY

RIBRL1C-NS

DIN Mount Relay 10 Amp SPDT with
10-30 Vac/dc Coil







Models ADIN35 and ADIN35ES sold separately. See data sheet on website for more product information.

ADIN35
DIN Rail Perforated
35mm x 7.5mm x 1m

ADIN35ES
Pair of End Stops
for 35mm DIN Rail

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: 20mS
Relay Status: LED On = Activated
Dimensions: 3.88˝ x 2.76˝ x 0.78˝
Terminal Strip: 14-22 AWG wire
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Gold Flash: Yes
Accessories: ADIN35, ADIN35ES

Contact Ratings:
10 Amp Resistive @ 120/240/277 Vac
10 Amp Resistive @ 28 Vdc
480 VA Pilot Duty @ 240/277 Vac
480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
600 Watt Tungsten @ 120 Vac (N/O)
240 Watt Tungsten @ 120 Vac (N/C)
1/3 HP @ 120/240 Vac (N/O)
1/6 HP @ 120/240 Vac (N/C)
1/4 HP @ 277 Vac (N/O)
1/8 HP @ 277 Vac (N/C)

Coil Current:

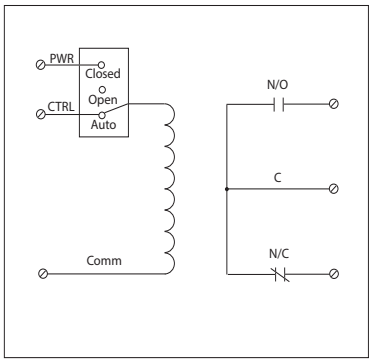
33 mA @ 10 Vac	13 mA @ 10 Vdc
35 mA @ 12 Vac	15 mA @ 12 Vdc
46 mA @ 24 Vac	18 mA @ 24 Vdc
55 mA @ 30 Vac	20 mA @ 30 Vdc

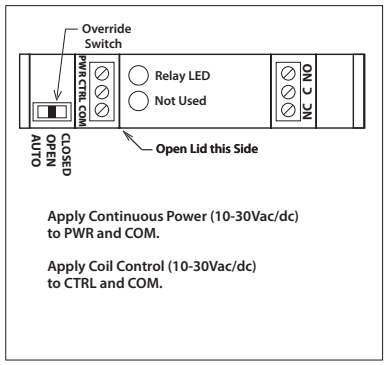
Power and Control Voltage:
10-30 Vac/dc ; 50-60 Hz
Drop Out = 2.1 Vac / 2.8 Vdc
Pull In = 9 Vac / 10 Vdc

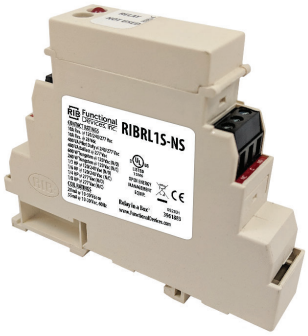
10 AMP PILOT CONTROL RELAYS

RIBRL1S-NS

DIN Mount Relay 10 Amp SPDT + Override
10-30 Vac/dc Coil







Models ADIN35 and ADIN35ES sold separately. See data sheet on website for more product information.

ADIN35
DIN Rail Perforated
35mm x 7.5mm x 1m

ADIN35ES
Pair of End Stops
for 35mm DIN Rail

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: 20mS
Relay Status: LED On = Activated
Dimensions: 3.88˝ x 2.76˝ x 0.78˝
Terminal Strip: 14-22 AWG wire
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Gold Flash: Yes
Accessories: ADIN35, ADIN35ES

Contact Ratings:
10 Amp Resistive @ 277 Vac
10 Amp Resistive @ 28 Vdc
480 VA Pilot Duty @ 240/277 Vac
480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
600 Watt Tungsten @ 120 Vac (N/O)
240 Watt Tungsten @ 120 Vac (N/C)
1/3 HP @ 120-240 Vac (N/O)
1/6 HP @ 120-240 Vac (N/C)
1/4 HP @ 277 Vac (N/O)
1/8 HP @ 277 Vac (N/C)

Coil Current:

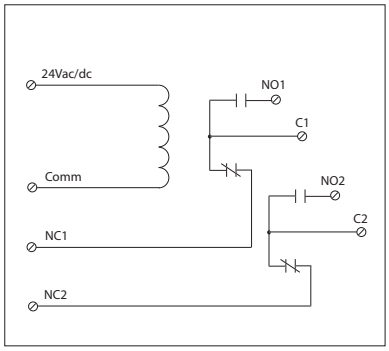
33 mA @ 10 Vac	13 mA @ 10 Vdc
35 mA @ 12 Vac	15 mA @ 12 Vdc
46 mA @ 24 Vac	18 mA @ 24 Vdc
55 mA @ 30 Vac	20 mA @ 30 Vdc

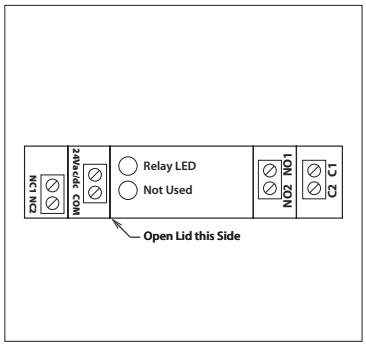
Power and Control Voltage:
10-30 Vac/dc ; 50-60 Hz
Drop Out = 2.1 Vac / 2.8 Vdc
Pull In = 9 Vac / 10 Vdc

10 AMP PILOT CONTROL RELAYS

RIBR24D-NS

DIN Mount Relay 10 Amp DPDT with
24 Vac/dc Coil





Models ADIN35 and ADIN35ES sold separately. See data sheet on website for more product information.

ADIN35
DIN Rail Perforated
35mm x 7.5mm x 1m

ADIN35ES
Pair of End Stops
for 35mm DIN Rail

Specifications

 # Relays & Contact Type: One (1) DPDT 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: 8mS
Relay Status: LED On = Activated
Dimensions: 3.88˝ x 2.76˝ x 0.78˝
Terminal Strip: 14-22 AWG wire
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Accessories: ADIN35, ADIN35ES

Contact Ratings:
10 Amp Resistive @ 30 Vdc
10 Amp General Use @ 277 Vac
1/2 HP @ 120-240 Vac (N/O)
1/3 HP @ 120-240 Vac (N/C)
B300 Pilot Duty
120Vac 30A Make 3A Break (360 VA)
240Vac 15A Make 1.5A Break (360 VA)
208Vac 17.3A Make 1.73A Break (360 VA)
277Vac 13A Make 1.3A Break (360 VA)
24Vac 30A Make 5A Break (120VA) 5A Max

Power and Control Current:

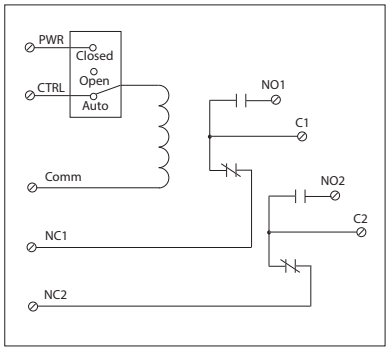
24 mA @ 18 Vac	20 mA @ 20 Vdc
32 mA @ 24 Vac	24 mA @ 24 Vdc
40 mA @ 30 Vac	36 mA @ 24 Vdc

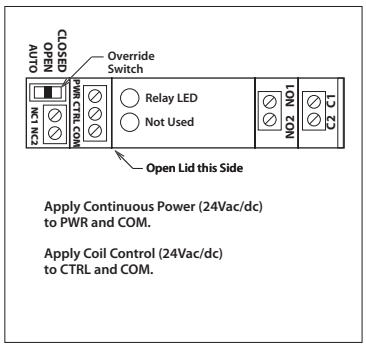
Coil Voltage Input:
24 Vac/dc ; 50-60 Hz
Drop Out = 3 Vac / 3.8 Vdc
Pull In = 18 Vac / 20 Vdc

10 AMP PILOT CONTROL RELAYS

RIBR24SD-NS

DIN Mount Relay 10 Amp DPDT with
24 Vac/dc Coil





Models ADIN35 and ADIN35ES sold separately. See data sheet on website for more product information.

ADIN35
DIN Rail Perforated
35mm x 7.5mm x 1m

ADIN35ES
Pair of End Stops
for 35mm DIN Rail

Specifications

 # Relays & Contact Type: One (1) DPDT 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: 8mS
Relay Status: LED On = Activated
Dimensions: 3.88˝ x 2.76˝ x 0.78˝
Terminal Strip: 14-22 AWG wire
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Accessories: ADIN35, ADIN35ES

Contact Ratings:
10 Amp Resistive @ 30 Vdc
10 Amp General Use @ 277 Vac
1/2 HP @ 120-240 Vac (N/O)
1/3 HP @ 120-240 Vac (N/C)
B300 Pilot Duty
120Vac 30A Make 3A Break (360 VA)
240Vac 15A Make 1.5A Break (360 VA)
208Vac 17.3A Make 1.73A Break (360 VA)
277Vac 13A Make 1.3A Break (360 VA)
24Vac 30A Make 5A Break (120VA) 5A Max

Power and Control Current:

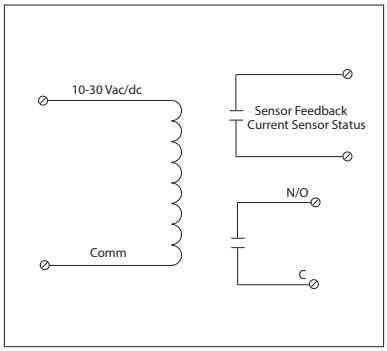
24 mA @ 18 Vac	20 mA @ 20 Vdc
32 mA @ 24 Vac	24 mA @ 24 Vdc
40 mA @ 30 Vac	36 mA @ 24 Vdc

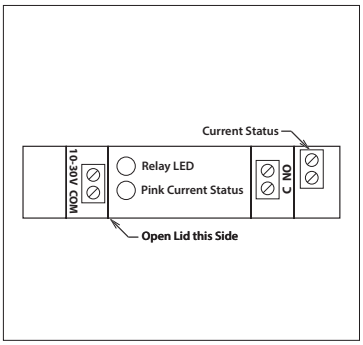
Coil Voltage Input:
24 Vac/dc ; 50-60 Hz
Drop Out = 3 Vac / 3.8 Vdc
Pull In = 18 Vac / 20 Vdc

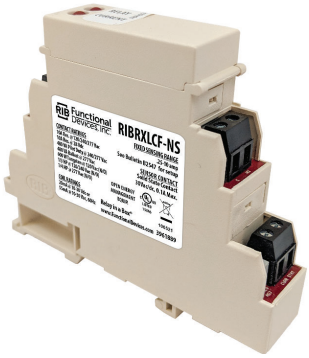
10 AMP PILOT CONTROL RELAY

RIBRXLCF-NS

DIN Mount Relay 10 Amp SPST with
10-30 Vac/dc Coil and Fixed Current Sensor







Models ADIN35 and ADIN35ES sold separately. See data sheet on website for more product information.

ADIN35
DIN Rail Perforated
35mm x 7.5mm x 1m

ADIN35ES
Pair of End Stops
for 35mm DIN Rail

Specifications

 # Relays & Contact Type: One (1) SPST 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: 20mS
Relay Status: LED On = Activated
Dimensions: 3.88˝ x 2.76˝ x 0.78˝
Terminal Strip: 14-22 AWG wire
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Gold Flash: Yes
Sensing Range: .25 - 10A
Accessories: ADIN35, ADIN35ES

Contact Ratings:
10 Amp Resistive @ 277 Vac
10 Amp Resistive @ 28 Vdc
480 VA Pilot Duty @ 240/277 Vac
480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
600 Watt Tungsten @ 120 Vac
1/3 HP @ 120-240 Vac
1/4 HP @ 277 Vac

Power and Control Voltage:
10-30 Vac/dc ; 50-60 Hz
Drop Out = 2.1 Vac / 2.8 Vdc
Pull In = 9 Vac / 10 Vdc

Coil Current:

33 mA @ 10 Vac	13 mA @ 10 Vdc
35 mA @ 12 Vac	15 mA @ 12 Vdc
46 mA @ 24 Vac	18 mA @ 24 Vdc
55 mA @ 30 Vac	20 mA @ 30 Vdc

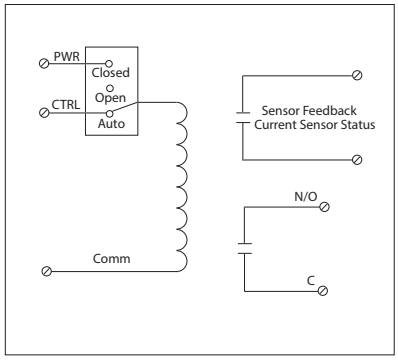
Sensor Contact:
Solid State Contact
30Vac/dc, 0.1A Max.

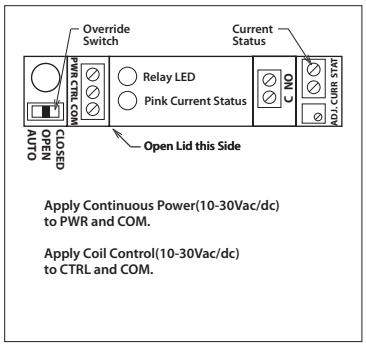
- When current sensor status is off (open), leakage <30 uA @ 30Vac/dc
- When current sensor status is on (closed), voltage drop < .3 Vac/dc @ .1 Amp

10 AMP PILOT CONTROL RELAY

RIBRXLSA-NS

DIN Mount Relay 10 Amp SPST + Override
10-30 Vac/dc Coil and Adjustable Current
Sensor





Models ADIN35 and ADIN35ES sold separately. See data sheet on website for more product information.

ADIN35
DIN Rail Perforated
35mm x 7.5mm x 1m

ADIN35ES
Pair of End Stops
for 35mm DIN Rail

Specifications

 # Relays & Contact Type: One (1) SPST 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: 20mS
Relay Status: LED On = Activated
Dimensions: 3.88˝ x 2.76˝ x 0.78˝
Terminal Strip: 14-22 AWG wire
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Gold Flash: Yes
Sensing Range: .25 - 10A
Accessories: ADIN35, ADIN35ES

Contact Ratings:
10 Amp Resistive @ 277 Vac
10 Amp Resistive @ 28 Vdc
480 VA Pilot Duty @ 240/277 Vac
480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
600 Watt Tungsten @ 120 Vac
1/3 HP @ 120-240 Vac
1/4 HP @ 277 Vac

Power and Control Voltage:
10-30 Vac/dc ; 50-60 Hz
Drop Out = 2.1 Vac / 2.8 Vdc
Pull In = 9 Vac / 10 Vdc

Coil Current:

33 mA @ 10 Vac	13 mA @ 10 Vdc
35 mA @ 12 Vac	15 mA @ 12 Vdc
46 mA @ 24 Vac	18 mA @ 24 Vdc
55 mA @ 30 Vac	20 mA @ 30 Vdc

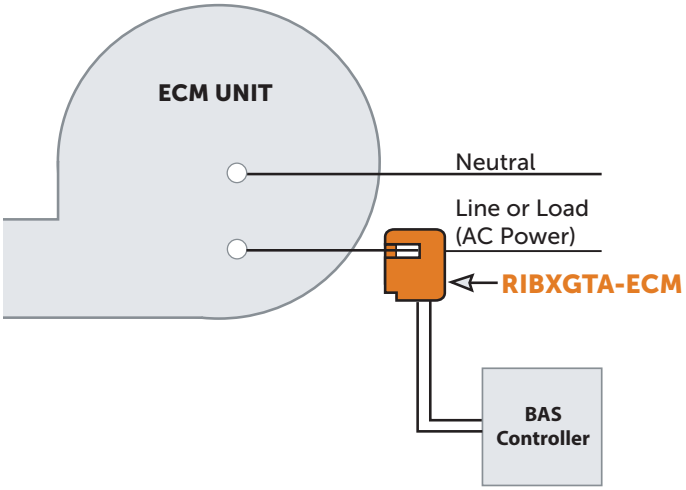
Sensor Contact:
Solid State Contact
30Vac/dc, 0.1A Max.

- When current sensor status is off (open), leakage <30 uA @ 30Vac/dc
- When current sensor status is on (closed), voltage drop < .3 Vac/dc @ .1 Amp

Low Threshold Current Switch

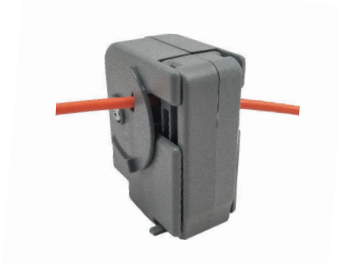
Our Low Threshold Current Switch is designed to sense the increasingly low current consumption of ECM units. This ensures that an accurate status feedback of the ECM unit is transmitted back to the controller.

- Low 0.25 Amp adjustable threshold
- Sense loads up to 150 Amps
- Requires no external power supply
- Normally open (N/O) contact output
- Prepackaged: Terminals, LED indicator
- Can be used in any application with lower than average current consumption
- UL Listed
- Made in the USA



RIBXGTA-ECM

RELAYS
RIB TRIFECTA
POWER SUPPLIES
CURRENT SENSORS



Ratcheting clamp tightens around wire

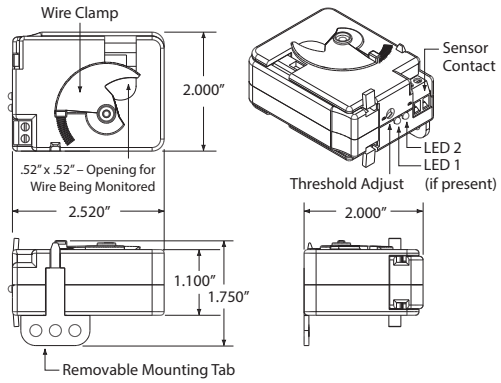
Foot mounting insert included

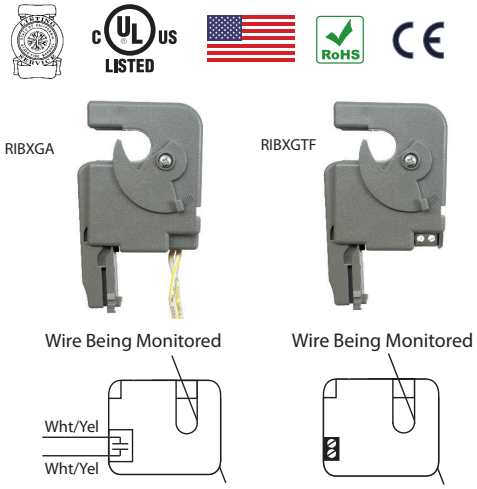
Slide opening helps with installation in small spaces

AC CURRENT SWITCHES

RIBXG Series

Enclosed Self-Powered Split Core AC Sensors



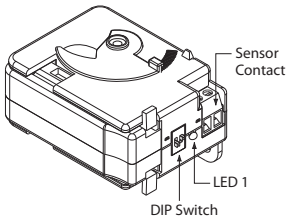


SPECIFICATIONS

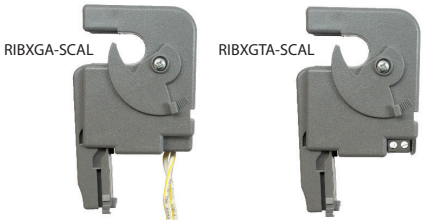
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Max Sense Voltage: 600 Vac
Approvals: UL Listed, UL916, UL864, C-UL, California State Fire Marshal, CE, RoHS
Mounting/Installation: Removable mounting tab provided. The wire clamp locks against the wire being monitored, securing the unit in place.
Sensor Contact Status: Current below threshold: Open
Current above threshold: Closed

Sensor Contact:
- Solid State Contact
- When sensor contact is off (open), leakage <30 uA @ 30Vac/dc
- When sensor contact is on (closed), voltage drop
  < .3 Vac/dc @ .1 Amp
  < 1.6 Vac/dc @ .4 Amp

SELF-CALIBRATING AC SWITCHES (Models with -SCAL Suffix)



-SCAL LED TABLE	
LED Off	No Current
Two Winks	Current Below Range
Three Winks	Current In Range
Four Winks	Current Above Range
Continuous Winks	Calibration in Progress



The -SCAL unit begins the 30 second self-calibration process the first time current is applied in the operating range. The threshold is then set. Subsequent calibrations may be performed by moving SW1 to the position opposite of its current position with or without current applied (hands can be safely away from live voltage). Once current begins flowing, or if it already is, the calibration process will begin. At the end of the 30 seconds, amperage will be read and set as the threshold. SW2 in the ON position provides a 15% (+/-3%) differential. In the OFF position, it provides a 25% (+/-3%) differential. SW2 can be selected at anytime and does not affect the threshold setting. Current in-range closes the sensor contact. Current above or below range opens the sensor contact.

Example: With a current of 10 amps set as the threshold and a 15% differential, sensor contact will be closed between 8.5 amps and 11.5 amps and open outside of this range. A small amount of hysteresis is provided to prevent dithering near the differential limits.

RIBXG SERIES SELECTION GUIDE

Model#	Sensing Range	Type	Threshold	Sensor Contact Type	Switching Voltage Range	Maximum Switching Current	Sensor Contact Termination	LED 1	LED 2
RIBXGF	.35-150 Amp	Split Core	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16″ 18 AWG Wire Leads		
RIBXGFL*	.75-150 Amp	Split Core	Fixed, .75 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16″ 18 AWG Wire Leads	Over Trip Point	
RIBXGTF	.35-150 Amp	Split Core	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		
RIBXGTFL*	.75-150 Amp	Split Core	Fixed, .75 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	
RIBXGA	.75-150 Amp	Split Core	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16″ 18 AWG Wire Leads	Over Trip Point	Under Trip Point
RIBXGTA	.75-150 Amp	Split Core	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Under Trip Point
RIBXGA-SCAL	3-150 Amp	Split Core	Self-Cal.	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16″ 18 AWG Wire Leads	See -SCAL Table	
RIBXGTA-SCAL	3-150 Amp	Split Core	Self-Cal.	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	See -SCAL Table	
RIBXGTA-ECM	.25-150 Amp	Split Core	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Load Current Detcted

* = Not approved by California State Fire Marshal

Looking for a Normally Closed Current Sensor Switch? RIB® now offers NEW Split Core Current Sensors featuring a Normally Closed Contact!

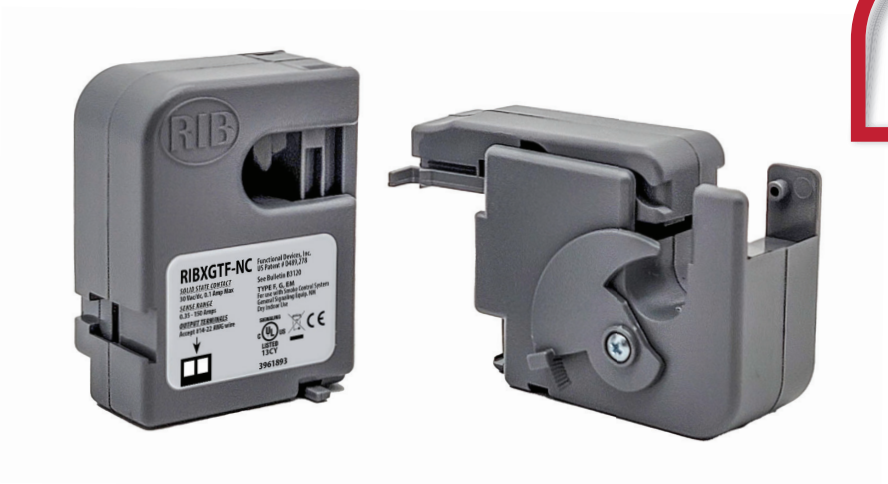
RIB® would like to introduce our new **Normally Closed (N/C)** current sensing switches for those applications where you might need to turn off a load when you have a secondary load coming online. These new self-powered current switches feature a N/C contact opening when the current sensed reaches or exceeds the designated threshold.

Product Features

- Solid State, SPST Output
- Normally closed switch output
- The fixed threshold model will open its contact at 0.35 Amp
- The adjustable model has a factory setting at 0.75 Amp and can be increased if required for the sensing application

Benefits

- Self-Powered
- Split core makes installation easy
- Fixed and adjustable threshold options
- Both models can handle up to 30 Vac/dc at 0.1 Amp on the N/C contact output
- Made in the U.S.A.



NEW PRODUCT

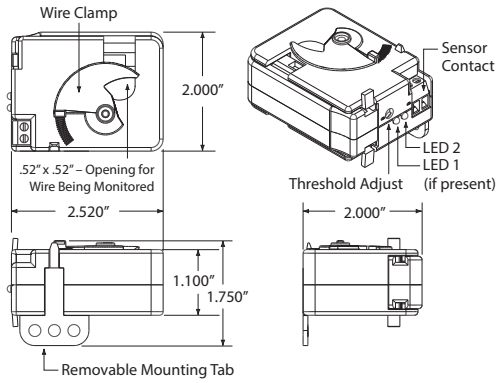
RIBXG SERIES NORMALLY CLOSED CURRENT SENSORS

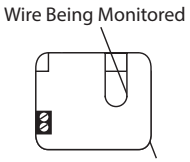
Product Selection Guide. For full product information, see our website.

MODEL #	SENSING RANGE	TYPE	THRESHOLD	SENSOR CONTACT TYPE	SWITCHING VOLTAGE RANGE	MAXIMUM SWITCHING CURRENT	SENSOR CONTACT TERMINATION	LED 1	LED 2
RIBXGTF-NC	.35-150 Amp	Split Core	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	.1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		
RIBXGTA-NC	.75-150 Amp	Split Core	Adjustable	Solid State Switch SPST	30 Vac/dc	.1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Under Trip Point

RIBXG-NC Series

Enclosed Self-Powered Split Core AC Sensors





SPECIFICATIONS

FUNCTIONAL DEVICES CERTIFIED FOR USE WITH **ECMs**

Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Max Sense Voltage: 600 Vac
Approvals: UL Listed, UL916, UL864, C-UL, California State Fire Marshal, CE, RoHS
Mounting/Installation: Removable mounting tab provided. The wire clamp locks against the wire being monitored, securing the unit in place.
Sensor Contact Status: Current below threshold: Closed
Current above threshold: Open

Sensor Contact:
- Solid State Contact
- When sensor contact is off (open), leakage <30 uA @ 30Vac/dc
- When sensor contact is on (closed), resistance 11.2 ohm

RIBXG SERIES SELECTION GUIDE

Model#	Sensing Range	Type	Threshold	Sensor Contact Type	Switching Voltage Range	Maximum Switching Current	Sensor Contact Termination	LED 1	LED 2
RIBXGTF-NC	.35-150 Amp	Split Core	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	.1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		
RIBXGTA-NC	.75-150 Amp	Split Core	Adjustable	Solid State Switch SPST	30 Vac/dc	.1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Under Trip Point

New Split Core Current Switch with a maximum switching current at 1 Amp for status reporting in ECM Systems

Our **RIBXGN Series,** with a fixed and adjustable threshold, allows up to 30 Vac/dc output with switching current rated at 1 Amp maximum. These are great for monitoring those Electronically Commutated Motors (ECM) where precise monitoring is required.

Product Features

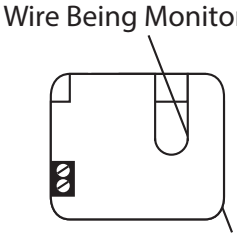
- Split core, self-powered AC sensor
- Normally Open (N/O) contact rated up to 1 Amp with a 30 Vac/dc output max
- Fixed or adjustable current thresholds
- LED's on the adjustable model for quick status identification
- UL Listed, UL916, UL864, C-UL, CE, RoHS

Benefits

- Small size 2.00" x 2.52" x 1.10"
- Easily fits inside an enclosure
- Slide opening (vs. hinged opening)
- Monitor wires up to half an inch in diameter
- Made in the U.S.A.

NEW PRODUCT

RIBXGN Series
Split Core Current Sensor

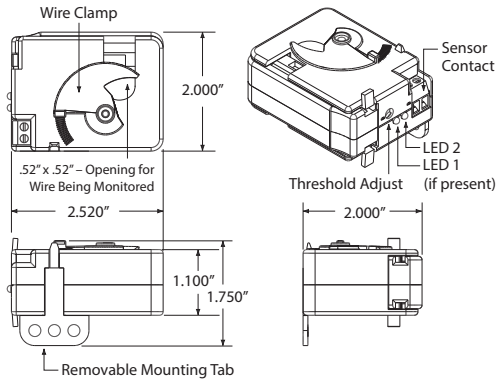


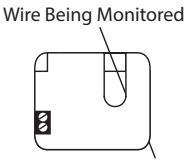
SPLIT CORE CURRENT SWITCH - RIBXGN SERIES

MODEL #	SENSING RANGE	TYPE	THRESHOLD	SENSOR CONTACT TYPE	SWITCHING VOLTAGE RANGE	MAXIMUM SWITCHING CURRENT	SENSOR CONTACT TERMINATION	LED 1	LED 2
RIBXGNTF	.35-150 Amp	Split Core	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		
RIBXGNTA	.75-150 Amp	Split Core	Adjustable	Solid State Switch SPST	30 Vac/dc	1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Under Trip Point

RIBXGN Series

Enclosed Self-Powered Split Core AC Sensors





SPECIFICATIONS

Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
Max Sense Voltage: 600 Vac
Approvals: UL Listed, UL916, UL864, C-UL, California State Fire Marshal, CE, RoHS
Mounting/Installation: Removable mounting tab provided. The wire clamp locks against the wire being monitored, securing the unit in place.
Sensor Contact Status: Current below threshold: Open
Current above threshold: Closed

Sensor Contact:
- Solid State Contact
- When sensor contact is off (open), leakage <30 uA @ 30Vac/dc
- When sensor contact is on (closed), resistance 0.26 ohm

RIBXG SERIES SELECTION GUIDE

Model#	Sensing Range	Type	Threshold	Sensor Contact Type	Switching Voltage Range	Maximum Switching Current	Sensor Contact Termination	LED 1	LED 2
RIBXGNTF	.35-150 Amp	Split Core	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		
RIBXGNTA	.75-150 Amp	Split Core	Adjustable	Solid State Switch SPST	30 Vac/dc	1 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Under Trip Point

RIB® DC Power Supplies

DC Power Supply
PSH100AB10-DC

DC Power Supply
PSH100A100AB10-DC

NEW PRODUCT

- Output Power: 24 Vdc @ 2.5 Amp
- Isolation, circuit breaker, status LED, ON/OFF switch, convenience outlets
- Class 2 DC Power Supply
- Input Power: 120 Vac

DIN Rail Mount DC Power Suppies

DIN RAIL POWER SUPPLIES — Product Selection Guide. For full product information, see our website.

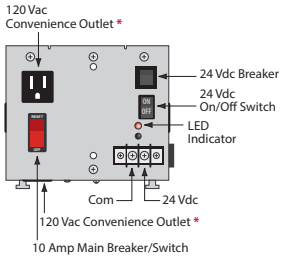
MODEL #	DC	OUTPUT	RANGE	POWER	INPUT	DIMENSIONS	SPECIAL FEATURE
PULS-ML15-241	24V	0.6A	24-28Vdc	15W	AC 100-240V | DC 110-300V	23mm x 75mm x 91mm	
PULS-PIC120-241D	24V	5A	24-28Vdc	120W	AC 100-120V AC 200-240V	39mm x 124mm x 124mm	DC-OK relay contact
PULS-PIC240-241D	24V	10A	24-28Vdc	240W	AC 100-240V	49mm x 124mm x 124mm	DC-OK relay contact
PULS-PIM36-241	24V	1.5A	24-28Vdc	36W	AC 100-240V	22.5mm x 90mm x 91mm	Push-in terminals
PULS-PIM60-241	24V	2.5A	24-28Vdc	60W	AC 100-240V	36mm x 90mm x 91mm	Push-in terminals
PULS-PIM60-245	24V	2.5A	24-28Vdc	60W	AC 100-240V	36mm x 90mm x 91mm	NEC Class 2
PULS-PIM90-241	24V	3.8A	24-28Vdc	90W	AC 100-240V	36mm x 90mm x 91mm	Push-in terminals
PULS-PIM90-245	24V	3.8A	24-28Vdc	90W	AC 100-240V	36mm x 90mm x 91mm	Large screw terminals
PULS-PIM90-245-L1	24V	3.8A	24-28Vdc	90W	AC 100-240V	36mm x 90mm x 91mm	Screw terminals

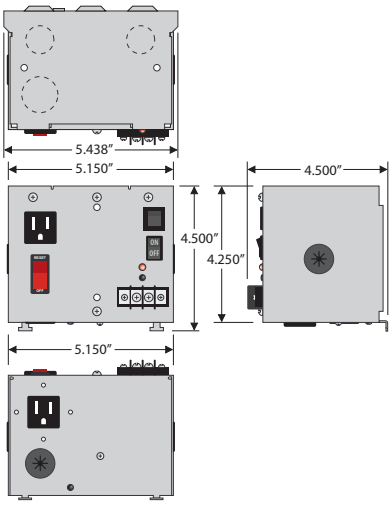
Contact Tech Support or Sales for information on other power supply models and product availability.

DC POWER SUPPLY

PSH100AB10-DC

Enclosed Single Switching DC Power Supplies, 120 to 24 Vdc @ 2.5 Amp, Class 2





* Move internal jumper to "HOT" position if you wish outlets to always be hot otherwise outlets will be switched by main breaker.

SPECIFICATIONS

Over Current Protection: Circuit Breaker
Frequency: 50/60 Hz
24 Vdc ON/OFF: On / Off Switch & Breaker
Main Breaker ON/OFF: Switch / Breaker (10 Amp) (Kills power to entire unit: Outlets, Aux. Output, & Transformer)* Total Combined Output 9A
Temperature: 40° C
Approvals: Class 2 (UL Approved UL5085-3), UL508, C-UL, CE, RoHS, FCC
Dimensions: 4.500″ x 5.438″ x 4.500″

Input Wires: Input Power Wires
BLK: 120 Vac
WHT: Neutral
GRN: Ground

Outlet Wires
BLK: 120 Vac
WHT: Neutral
GRN: Ground

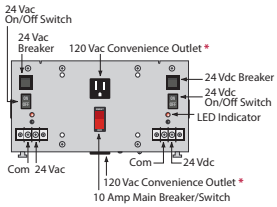
Output Wires: Auxiliary Output
BLU: 120 Vac

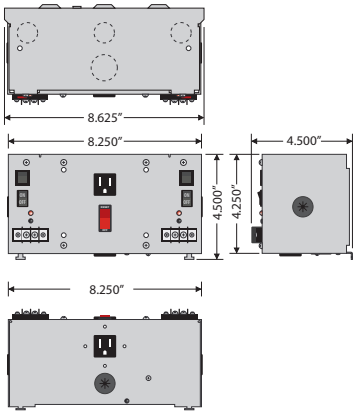
Notes:
- Output derating may exceed 20% due to elevated ambient temperature or heat buildup in device over time.

AC & DC POWER SUPPLY: 120 VAC TO 24 VAC & 24 VDC

PSH100A100AB10-DC

Enclosed Dual Power Supplies, 100 VA, 120 to 24 Vac and 120 to 24 Vdc @ 2.5 Amp, Class 2





* Move internal jumper to "HOT" position if you wish outlets to always be hot otherwise outlets will be switched by main breaker.

SPECIFICATIONS

Over Current Protection: Circuit Breaker
Frequency: 50/60 Hz
24 Vac ON/OFF: On / Off Switch & Breaker
24 Vdc ON/OFF: On / Off Switch & Breaker
Main Breaker ON/OFF: Switch / Breaker (10 Amp) (Kills power to entire unit: Outlets, Aux. Output, 24 Vac, & 24 Vdc)* Total Combined Output 9A
Temperature: 40° C
Approvals: Class 2 (UL Approved UL5085-3), UL508, C-UL, CE, RoHS, FCC
Dimensions: 4.500″ x 5.438″ x 4.500″

Input Wires: Input Power Wires
BLK: 120 Vac
WHT: Neutral
GRN: Ground

Outlet Wires
BLK: 120 Vac
WHT: Neutral
GRN: Ground

Notes:
- Output derating may exceed 20% due to elevated ambient temperature or heat buildup in device over time.

Output Wires: Auxiliary Output
BLU: 120 Vac

"W" Models Only
Transformer Output
WHT/YEL: 24 Vdc
WHT/BLU: Common

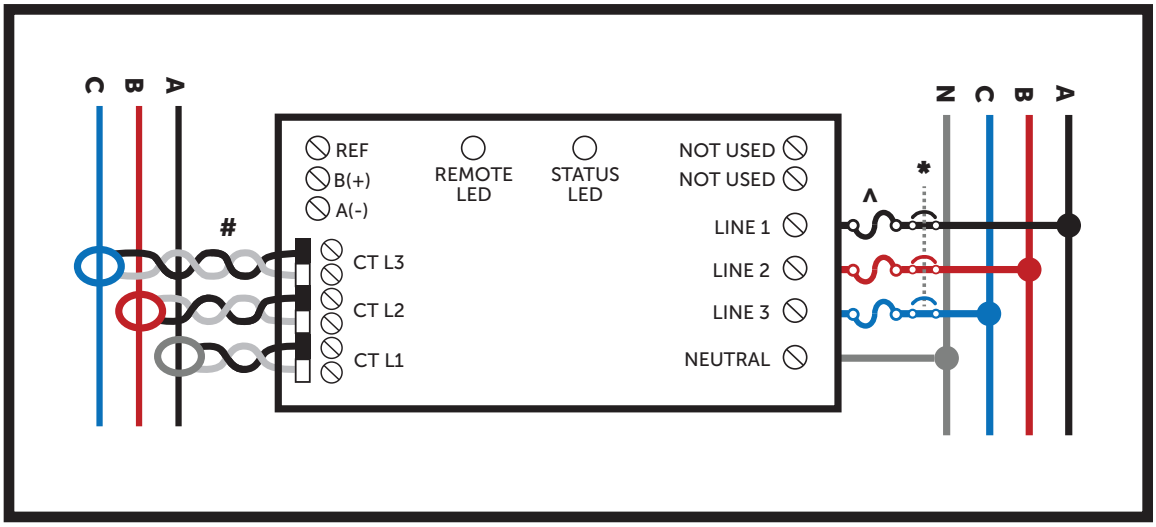
BACnet® Power Meter Kit

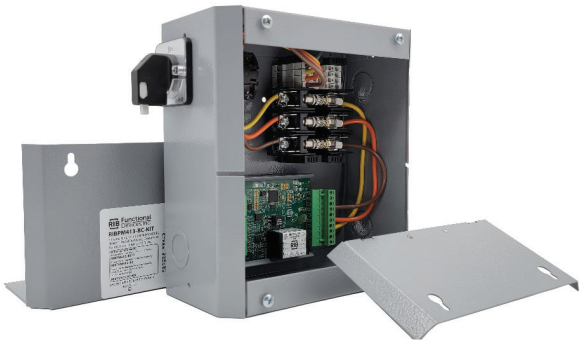
Introducing our new BACnet® Compatible Power Meter Kit. This Power Meter Kit includes the BACnet® Compatible Power Meter circuit board, which will collect and send all the data points to the BAS controller. Also included in this Kit is the fuse holder, fuses, and disconnect switch. Everything is prepackaged and prewired in an 18-gauge steel enclosure. This Power Meter Kit is compatible with single or three-phase electrical systems. This Kit is a great solution for revenue-grade power metering applications.

- Revenue Grade Power Meter
- Power Meter input power: 120-277 Vac
- Made in the U.S.A
- Includes 16 Amp rated Disconnect Switch *
- Includes Fuse holder with three 2 Amp rated fuses ^

Dimensions: 8.3" H x 7.7" W (9.2" W with switch) x 3.9" D

Contact Tech Support or Sales for information on other current transformer models and product availability.





BACnet Power Meter Kit

- Power meter circuit board
- Disconnect switch
- Fuse holder
- Fuses

RIBPM413-BC-KIT

Current Transformers #

See next page for available models

RIB Current Transformers

FDI	Primary Input (A)	Secondary Output (V)	Ratio	Accuracy (%)	Core Type	Window Size
CT-05A0-333	5	0.333	5A/0.333V	0.3	Split	.47" x .45"
CT-025A1-333	25	0.333	25A/0.333V	0.8	Split	.72" x .62"
CT-050A1-333	50	0.333	50A/0.333V	0.5	Split	.72" x .62"
CT-100A1-333	100	0.333	100A/0.333V	0.5	Split	.72" x .62"
CT-100A2-333	100	0.333	100A/0.333V	0.75	Split	1.0" x 1.4"
CT-100A4-333	100	0.333	100A/0.333V	0.5	Split	1.3" x 1.7"
CT-200A4-333	200	0.333	200A/0.333V	0.5	Split	1.3" x 1.7"
CT-400A4-333	400	0.333	400A/0.333V	0.5	Split	1.3" x 1.7"
CT-600A4-333	600	0.333	600A/0.333V	0.5	Split	1.3" x 1.7"
CTS-05A20-333	5	0.333	5A/0.333V	0.2	Solid	.2" diameter
CTS-30A20-333	30	0.333	30A/0.333V	0.2	Solid	.2" diameter
CTS-60A35-333	60	0.333	60A/0.333V	0.2	Solid	.35 diameter
CTS-100A55-333	100	0.333	100A/0.333V	0.2	Solid	.55 diameter
ROPE16-040A-07MV	4,000	0.07	4,000/70mV	0.75	Rope	5.0" diameter
ROPE24-060A-07MV	6,000	0.07	6,000/70mV	0.75	Rope	7.6" diameter
ROPE36-080A-07MV	8,000	0.07	8,000/70mV	0.75	Rope	11.5" diameter
ROPE48-100A-07MV	10,000	0.07	10,000/70mV	0.75	Rope	15.3" diameter

CT-05A0-333

CT-100A2-333

CT-400A4-333

ROPE16-040A-07MV

ROPE24-060A-07MV

ROPE36-080A-07MV

ROPE48-100A-07MV

CT-100A1-333

CT-100A4-333

CT-200A4-333

CT-25A1-333

CT-50A1-333

CTS-100A55-333

MOD1-07-33MV

"MOD" Series

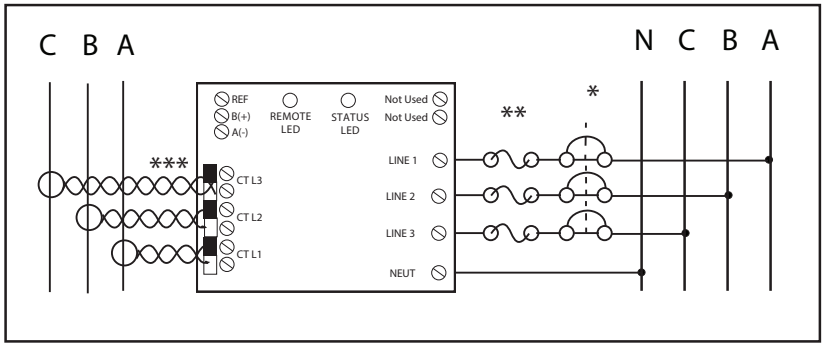
The MOD series of devices are optional modules that connect to the output of the Rogowski Coil CTs and convert the output to the 0.333 V analog scale for use in other Power Monitoring systems. The MOD series has options for one, two, or three-phase power feeds. The MOD series devices are DIN rail-mountable, are ETL approved, and require 12 Vdc for input voltage.

FDI	Primary Input (A)	Secondary Output (V)	Accuracy (%)	Used with
MOD1-07-33MV	0.07	0.333	0.5	Any "ROPE" CT
MOD2-07-33MV	0.07	0.333	0.5	Any "ROPE" CT
MOD3-07-33MV	0.07	0.333	0.5	Any "ROPE" CT

POWER METER KIT- BACNET® COMPATIBLE

RIBPM413-BC-KIT

Enclosed BACnet® MS/TP Revenue Grade Power Meter for single or three phase systems, disconnect switch, fuses and fuse holder



SPECIFICATIONS

Power Meter - RIBPM413-BC:

Power Input Rating: 120-277 Vac, Powered from Line 1 to Neutral, < 2 VA
Headers: Pluggable screw terminals, accept 12 to 28 AWG wire
Dimensions: 2.75" H x 4.5" W x 0.85" D with headers installed
Frequency: 50/60 Hz
Operating Temperature: -20 to 70°C, -4 to 158°F
Humidity: 5 to 95% (noncondensing)
Altitude: Up to 2,000 m
Remote LED: Green = Rx Amber = Tx
Status LED: See Bulletin B2646
Terminal Torque: 4.43 in-lbs
Approvals: CE, UL Listed, UL 61010-1 and UL 61010-2-30, C-UL, RoHS, FCC Part 15 Class B
Network Media: 18-22 AWG, 2-Core, shielded twisted pair
Network Termination: For End of Line (EOL) device, use 120 Ω Resistor. See Bulletin B2646 for details
Polarity: Network is polarity sensitive
Baud Rate: 9600, 19200, 38400, 57600, 76800, 115200; Set via BACnet®

Fuse Holder:

Type: Class CC
Rated Current: 30 Amps
Rated Voltage: 600 Vac
Interrupt Rating: 200kA
Max Ambient Temp: 125°C, 257°F
Wire Gauge: 10-14 AWG
Terminal Torque: 20 in-lbs
Approvals: UL Listed, CSA Certified, RoHS, CE

Enclosure:

Construction: 18 Gauge Steel
Cover Type: Screw Down Cover
Dimensions: 8.3" H x 7.7" W **(9.2"W with switch)** x 3.9" D
Rating: NEMA 1
Approvals: UL Listed, CE, RoHS

Fuses**:

Type: Class CC, Fast-acting
Rated Current: 2 Amps
Rated Voltage: 600 Vac
Interrupt Rating: 200kA
Approvals: UL Listed, CSA Certified, CE, RoHS

Metered Circuit:

Voltage Range: 120 - 277 Vac L-N (CAT III); 1P 2/3W, 3P 4W
Voltage Overload: 1.1 x Voltage Range
Voltage Burden: < 0.1 VA @ 277 Vac
Frequency Range: 45 - 65 Hz
Current Transformer: 333 mV Output (sold separately)
Current Overload: 1.2 x CT Output
Power Overload: 1.2 x Voltage Range x CT Output

Measurement Accuracy:

Voltage: 0.5%, < 0.2% typical from 80-120%
Current: 0.5%, < 0.2% typical from 10-120%
Power: 0.5%, < 0.2% typical from 10-120%
Power Factor: 0.5% between 0.5 and 1.0

Accessories:

CT-25A-333, CT-50A-333, CT-100A-333

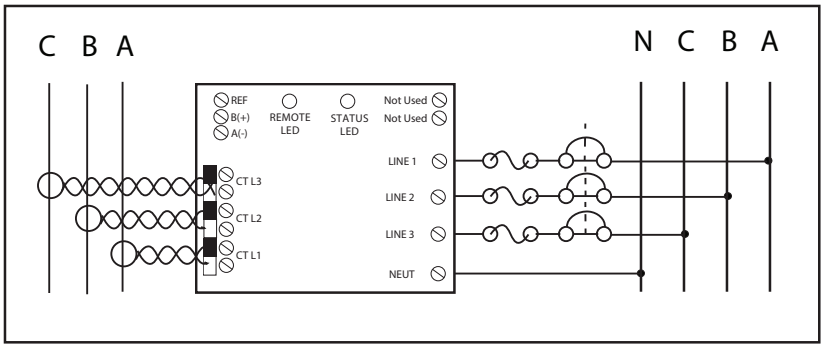
Notes:

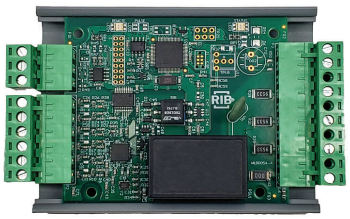
-See Bulletin B2818 for installation instructions
-Bi-directional for NET metering
-For compatible Current Transformers, see our CT Series***

POWER METER

RIBPM413-BC

2.75"Track Mount BACnet® MS/TP Revenue Grade Power Meter for single or three phase systems





SPECIFICATIONS

Power Input Rating: Powered from Line 1 to Neutral, 120-277 Vac, < 2 VA
Headers: Pluggable screw terminal, accepts up to 12 AWG stranded copper wire
Frequency: 50/60 Hz
Operating Temperature: -4 to 158 °F
Storage Temperature: -40 to 185 °F
Humidity: 5 to 95% (noncondensing)
Altitude: Up to 2,000 m
Remote LED: Green = Rx
Amber = Tx
Status LED: See Bulletin B2646
Dimensions: 2.75" x 4.5" x 0.85" with headers installed
Track Mount: MT212-4 mounting track provided
Approvals: CE, UL Listed, UL 61010-1 and UL 61010-2-30, C-UL, RoHS, FCC Part 15 Class B
Network Media: 18-22 AWG, 2-Core, shielded twisted pair
Network Termination: For End of Line (EOL) device, use 120 Ω Resistor. See Bulletin B2646 for details
Polarity: Network is polarity sensitive
Baud Rate: 9600, 19200, 38400, 57600, 76800, 115200; set via BACnet®

Metered Circuit:

Voltage Range: 120-277 Vac L-N (CAT III); 1P 2/3W, 3P 4W
Voltage Overload: 1.1 x Voltage Range
Voltage Burden: < 0.1 VA @ 277 Vac
Frequency Range: 45 - 65 Hz
Current Transformer: 333 mV Output
Current Overload: 1.2 x CT Output
Power Overload: 1.2 x Voltage Range x CT Output

Measurement Accuracy:

Voltage: 0.5%, < 0.2% typical from 80-120%
Current: 0.5%, < 0.2% typical from 10-120%
Power: 0.5%, < 0.2 % typical from 10-120%
Power Factor: 0.5% between 0.5 and 1.0

Accessories:

CT-25A-333, CT-50A-333, CT-100A-333

Notes:

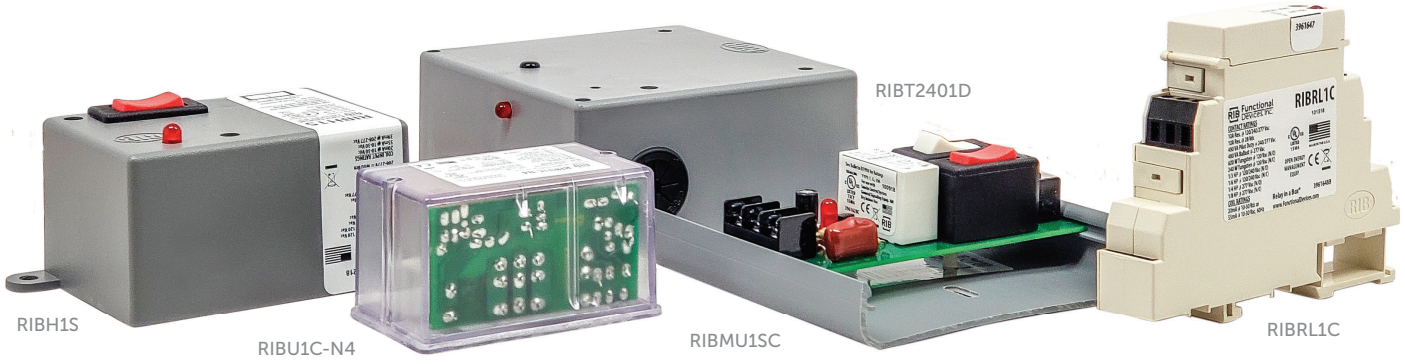
-See Bulletin B2646 for installation instructions
-Bi-directional for NET metering

BACnet® Details:

-Device ID Default: 277050
-MAC Address Default: 50
-Baud Rate Default: 38400
-CT-Ratings (AV-8005) must be updated with the current rating of the CTs used with the device.
-See Bulletin B2646 for further details

PIC Statement available on website.
https://www.functionaldevices.com/downloads/pics/BACnet-PM413_PICS.pdf

PILOT RELAYS: 10–15 AMPS



Convenient Prepackaging is a Great Time Saver

- LED indicator
- Multiple contact ratings
- Override / HOA switch options available
- High/low voltage separation available
- 10-15 Amp models
- Pre-wired
- Enclosed or track mount
- Time delay models

ENCLOSED PILOT RELAYS

Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE			CONTACT RATINGS							
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	HIGH/LOW SEPARATION	OVERRIDE SWITCH	HOUSING STYLE *	SHIPPING WEIGHT
RIBU1C	•	10-30	120	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac			A	0.300 lb.
RIBH1C	•	10-30	208-277	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac			A	0.302 lb.
RIBU2C	•	10-30	120	2 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac			B	0.507 lb.
RIBH2C	•	10-30	208-277	2 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac			B	0.528 lb.
RIBL3C	•	10-30		3 SPST	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.742 lb.
RIBL4C	•	10-30		3 SPST, 1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.890 lb.
RIBU1S	•	10-30	120	1 SPST	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac		1	B	0.404 lb.
RIBH1S	•	10-30	208-277	1 SPST	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac		1	B	0.410 lb.
RIBU1SM-250	•	10-30	120	1 SPST	10 A @ 120/250 Vac	1/3 HP @ 120-240 Vac (N/O)	345 VA @ 120/240 Vac		1+monitor	B	0.472 lb.
RIBH1SM-250	•	10-30	208-277	1 SPST	10 A @ 120/250 Vac	1/3 HP @ 120-240 Vac (N/O)	345 VA @ 120/240 Vac		1+monitor	B	0.520 lb.
RIB2401D	•	24	120	1 DPDT	10 A @ 277 Vac	1/2 HP @ 120/240 Vac (N/O)	B300			A	0.336 lb.
RIB2402D	•	24	208-277	1 DPDT	10 A @ 277 Vac	1/2 HP @ 120/240 Vac (N/O)	B300			A	0.350 lb.
RIBU1SC	•	10-30	120	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac		2+	B	0.445 lb.
RIBH1SC	•	10-30	208-277	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac		2+	B	0.447 lb.
RIBL1C-DC	•	10-30 Vdc only		1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac			A	0.285 lb.
RIB2421C	•	24	120-277	1 SPDT	10 A @ 277 Vac	1 HP @ 250 Vac	C300			A	0.301 lb.
RIBD2421C~	•	24	120-277	1 SPDT	10 A @ 277 Vac	1 HP @ 250 Vac	C300	•		C	0.642 lb.
RIBU2SC	•	10-30	120	1 SPST, 1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac		1	B	0.526 lb.
RIBU2S2	•	10-30	120	2 SPST	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	•	2	C	0.735 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada * = See Housing Guide

~ = Time Delay + = SPDT with override requires 2 switches # = Coil side relay override (requires unit to be powered)

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

PILOT RELAYS: 10–15 AMPS

T STYLE PILOT RELAYS

Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE			CONTACT RATINGS						
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	HIGH/LOW SEPARATION	OVERRIDE SWITCH	HOUSING STYLE *	SHIPPING WEIGHT
RIBTU1C	•	10-30	120	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.568 lb.
RIBTH1C	•	10-30	208-277	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.620 lb.
RIBTU2C	•	10-30	120	2 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.695 lb.
RIBTH2C	•	10-30	208-277	2 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.705 lb.
RIBU1CW	•	10-30	120	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.550 lb.
RIBH1CW	•	10-30	208-277	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.553 lb.
RIBTU1S	•	10-30	120	1 SPST	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	•	1	C	0.573 lb.
RIBTH1S	•	10-30	208-277	1 SPST	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	•	1	C	0.652 lb.
RIBTU1SC	•	10-30	120	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	•	2 +	C	0.690 lb.
RIBTH1SC	•	10-30	208-277	1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	•	2 +	C	0.661 lb.
RIBT2401D	•	24	120	1 DPDT	10 A @ 277 Vac	1/2 HP @ 120-240 Vac (N/O)	B300	•		C	0.609 lb.

TRACK MOUNT PILOT RELAYS

Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE			CONTACT RATINGS					
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	OVERRIDE SWITCH	TRACK MOUNT ^	SHIPPING WEIGHT
RIBRL1C	• [1]	10-30		1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240/277 Vac		DIN Rail	0.184 lb.
RIBRL1S	• [1]	10-30		1 SPDT	10 A @ 277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240/277 Vac	1 #	DIN Rail	0.194 lb.
RIBR24D	• [1]	24		1 DPDT	10 A @ 277 Vac	1/2 HP @ 120-240 Vac (N/O)	B300		DIN Rail	0.285 lb.
RIBR24SD	• [1]	24		1 DPDT	10 A @ 277 Vac	1/2 HP @ 120-240 Vac (N/O)	B300	1 #	DIN Rail	0.285 lb.
RIBAN12C	• [2]	12		1 SPDT	10 A @ 277 Vac	1 HP @ 250 Vac	C300		MT212 Series & DIN Rail	0.178 lb.
RIBAN24C	• [2]	24		1 SPDT	10 A @ 277 Vac	1 HP @ 250 Vac	C300		MT212 Series & DIN Rail	0.180 lb.
RIBM12C	•	12		1 SPDT	15 A @ 125 Vac	1 HP @ 250 Vac	C300		MT4 Series	0.111 lb.
RIBM12S	•	12		1 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	C300	1	MT4 Series	0.127 lb.
RIBM24C	•	24		1 SPDT	15 A @ 125 Vac	1 HP @ 250 Vac	C300		MT4 Series	0.110 lb.
RIBM24S	•	24		1 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	C300	1	MT4 Series	0.129 lb.
RIBM2401D	•	24	120	1 DPDT	10 A @ 277 Vac	1/2 HP @ 120/240 Vac (N/O)	B300		MT4 Series	0.160 lb.
RIBM2402D	•	24	208-277	1 DPDT	10 A @ 277 Vac	1/2 HP @ 120/240 Vac (N/O)	B300		MT4 Series	0.172 lb.
RIBMU1C	•	10-30	120	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac		MT4 Series	0.134 lb.
RIBMH1C	•	10-30	208-277	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac		MT4 Series	0.143 lb.
RIBMU1S	•	10-30	120	1 SPST	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	1	MT4 Series	0.150 lb.
RIBMH1S	•	10-30	208-277	1 SPST	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	1	MT4 Series	0.190 lb.
RIBMU2C	•	10-30	120	2 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac		MT4 Series	0.249 lb.
RIBMH2C	•	10-30	208-277	2 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac		MT4 Series	0.348 lb.
RIBMU1SM-250	•	10-30	120	1 SPST	15 A @ 125 Vac	1/3 HP @ 120-240 Vac (N/O)	345 VA @ 120/240 Vac (N/O)	1+monitor	MT4 Series	0.218 lb.
RIBMH1SM-250	•	10-30	208-277	1 SPST	15 A @ 125 Vac	1/3 HP @ 120-240 Vac (N/O)	345 VA @ 120/240 Vac (N/O)	1+monitor	MT4 Series	0.259 lb.
RIBMU1SC	•	10-30	120	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	2 [3]	MT4 Series	0.178 lb.
RIBMH1SC	•	10-30	208-277	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	2 [3]	MT4 Series	0.227 lb.
RIBMN12C	•	12		1 SPDT	15 A @ 125 Vac	1 HP @ 250 Vac	C300		MT212 Series	0.087 lb.
RIBMN12S	•	12		1 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	C300	1	MT212 Series	0.103 lb.
RIBMN24C	•	24		1 SPDT	15 A @ 125 Vac	1 HP @ 250 Vac	C300		MT212 Series	0.087 lb.
RIBMN24S	•	24		1 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	C300	1	MT212 Series	0.107 lb.
RIBMN24S-J	•	24		1 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	C300	1	MT212 Series	0.120 lb.
RIBMN24C-4T	•	24		4 SPDT	15 A @ 125 Vac	1 HP @ 250 Vac	C300		MT212-6 Included	0.454 lb.
RIBMN24S-4T	•	24		4 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	C300	4	MT212-6 Included	0.550 lb.
RIBMN2401D	•	24	120	1 DPDT	10 A @ 277 Vac	1/2 HP @ 120/240 Vac (N/O)	B300		MT212 Series	0.132 lb.
RIBMNU1C	•	10-30	120	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac		MT212 Series	0.136 lb.
RIBMNH1C	•	10-30	208-277	1 SPDT	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac		MT212 Series	0.141 lb.
RIBMNU1S	•	10-30	120	1 SPST	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	1	MT212 Series	0.177 lb.
RIBMNH1S	•	10-30	208-277	1 SPST	15 A @ 150 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 277 Vac	1	MT212 Series	0.221 lb.
RIBMNU1SM-250	•	10-30	120	1 SPST	15 A @ 125 Vac	1/3 HP @ 120-240 Vac (N/O)	345 VA @ 120/240 Vac (N/O)	1+monitor	MT212 Series	0.263 lb.
RIBMNH1SM-250	•	10-30	208-277	1 SPST	15 A @ 125 Vac	1/3 HP @ 120-240 Vac (N/O)	345 VA @ 120/240 Vac (N/O)	1+monitor	MT212 Series	0.248 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada

UL [1] = UL Listed : UL916 Energy Management ; USA & Canada

UL [2] = UL Listed : UL508 only ; USA & Canada

+ = SPDT with override requires 2 switches

* = See Housing Guide

^ = Track mount sold separately

= Coil side relay override (requires unit to be powered)

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

POWER RELAYS: 20–30 AMPS

Convenient Prepackaging is a Great Time Saver

- LED indicator
- Multiple contact ratings
- Override / HOA switch options available
- High/low voltage separation available
- 20-30 Amp models
- Pre-wired
- Enclosed or track mount
- Time delay models

ENCLOSED POWER RELAYS

Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE			CONTACT RATINGS						
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	HIGH/LOW SEPARATION	OVERRIDE SWITCH	HOUSING STYLE *	SHIPPING WEIGHT
RIB2401B	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			B	0.500 lb.
RIB2402B	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			B	0.501 lb.
RIB2401SB	•	24	120	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		1	B	0.497 lb.
RIB2402SB	•	24	208-277	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		1	B	0.510 lb.
RIB2421B	•	24	120/208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			B	0.525 lb.
RIB2421SB	•	24	120/208-277	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		1	B	0.540 lb.
RIB2401SBC	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		2 +	B	0.565 lb.
RIB2402SBC	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		2 +	B	0.598 lb.
RIB01P	•		120	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.956 lb.
RIB02P	•		208-277	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.965 lb.
RIB347P	•		347	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.952 lb.
RIB04P	•		480	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.952 lb.
RIB013P	•		120	1 3PST	20 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac	•		C	1.008 lb.
RIB023P	•		208-277	1 3PST	20 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac	•		C	1.020 lb.
RIB043P	•		480	1 3PST	20 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac	•		C	0.993 lb.
RIB243P	•	24		1 3PST	20 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac	•		C	0.974 lb.
RIB24Z	•	24		1 SPST N/O, 1 SPST N/C	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac			B	0.748 lb.
RIB12P	•	12		1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac			B	0.725 lb.
RIB12P30	•	12		1 DPDT	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac			B	0.888 lb.
RIB24P	•	24		1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac			B	0.724 lb.
RIB24P30	•	24		1 DPDT	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac			B	0.874 lb.
RIB01P30	•		120	1 DPST	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.982 lb.
RIB01P30-S	•		120	1 DPST	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•	1 #	C	1.013 lb.
RIB02P30	•		208-277	1 DPST	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.980 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada * = See Housing Guide + = SPDT with override requires 2 switches # = Coil side relay override (requires unit to be powered)

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

POWER RELAYS: 20–30 AMPS

T STYLE POWER RELAYS

Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE			CONTACT RATINGS						
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	HIGH/LOW SEPARATION	OVERRIDE SWITCH	HOUSING STYLE *	SHIPPING WEIGHT
RIBT24B	•	24		1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.675 lb.
RIBT24SB	•	24		1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	1	C	0.673 lb.
RIBT2401B	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.663 lb.
RIBT2402B	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.670 lb.
RIBT2401SB	•	24	120	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	1	C	0.674 lb.
RIBT2402SB	•	24	208-277	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	1	C	0.676 lb.
RIBT2401SBC	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	2 +	C	0.790 lb.
RIBT2402SBC	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	2 +	C	0.806 lb.
RIBTD2401B ~	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.735 lb.
RIBT242B	•	24		2 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.863 lb.
RIBT243B	•	24		2 SPST, 1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.961 lb.
RIBT24P	•	24		1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.930 lb.
RIBT24Z	•	24		1 SPST N/O, 1 SPST N/C	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac	•		C	0.983 lb.
RIBT243P	• [1]	24		3PST	20 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac	•		C	0.980 lb.

TRACK MOUNT POWER RELAYS

Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE			CONTACT RATINGS					
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	OVERRIDE SWITCH	TRACK MOUNT ^	SHIPPING WEIGHT
RIBM2401B	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		MT4 Series	0.171 lb.
RIBM2402B	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		MT4 Series	0.178 lb.
RIBM2401SB	•	24	120	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1	MT4 Series	0.208 lb.
RIBM2402SB	•	24	208-277	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1	MT4 Series	0.214 lb.
RIBM2401SBC	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	2 +	MT4 Series	0.242 lb.
RIBM2402SBC	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	2 +	MT4 Series	0.248 lb.
RIBM24ZN		24		1 DPDT	30 A @ 300 Vac	3 HP @ 480-600 Vac	NEMA B600		MT4 Series	0.283 lb.
RIBM24ZL	•	24		1 DPST	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac		MT4 Series	0.404 lb.
RIBMN24ZL	•	24		1 DPST	30 A @ 300 Vac	3 HP @ 480-600 Vac	Heavy Pilot Duty @ 600 Vac		MT212 Series	0.403 lb.
RIBM243PN	R	24		1 3PDT	30 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac		MT4 Series	0.345 lb.
RIBM013PN			120	1 3PDT	30 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac		MT4 Series	0.368 lb.
RIBM023PN	R		208-277	1 3PDT	30 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac		MT4 Series	0.396 lb.
RIBM043PN			480	1 3PDT	30 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac		MT4 Series	0.358 lb.
RIBM043PN-HD	R		480	1 3PDT	30 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	Heavy Pilot Duty @ 600 Vac		MT4 Series	0.490 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada

UL [1] = UL Listed : UL916 Energy Management ; USA & Canada

R = UL Component Recognized : UL916 Energy Management; USA & Canada

~ = Time Delay

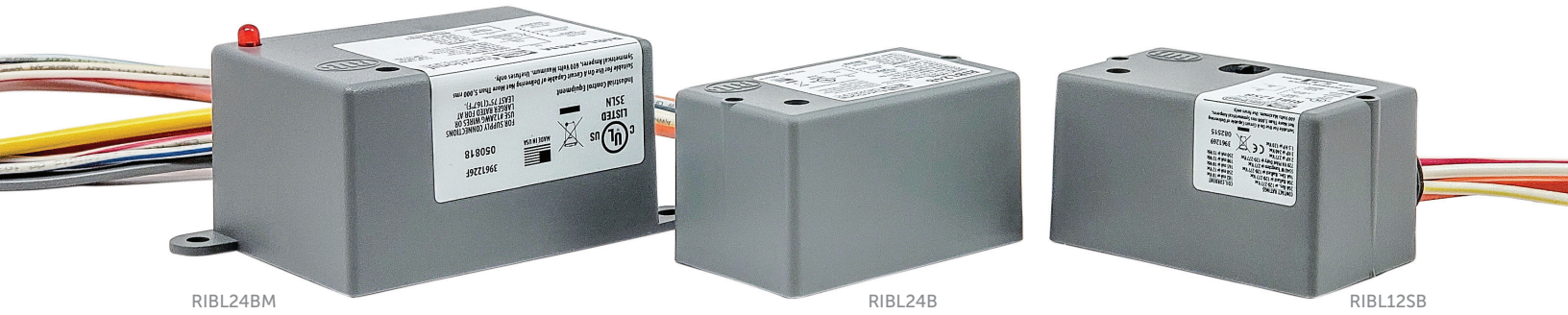
+ = SPDT with override requires 2 switches

* = See Housing Guide on pages 86-87

^ = Track mount sold separately

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

LATCHING RELAYS



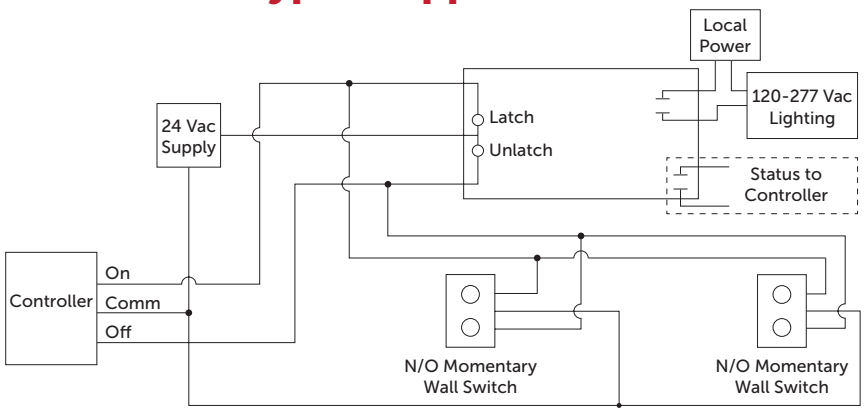
RIBL24BM RIBL24B RIBL12SB

These relays are switched by pulse commands from an appropriate power source or a controller. The relay contacts are mechanically latched in position, so that the load remains in its last state (on or off) during a loss of power. A pulse of opposing polarity latches the relay in the alternate state.

Product Features

- Prepackaged for quick and easy installation
- Electromechanical relay
- Mechanically latching
- Status LED and auxiliary ouput models available
- Electronic ballast rating
- 20 Amp rating

Typical Application



ENCLOSED LATCHING RELAYS

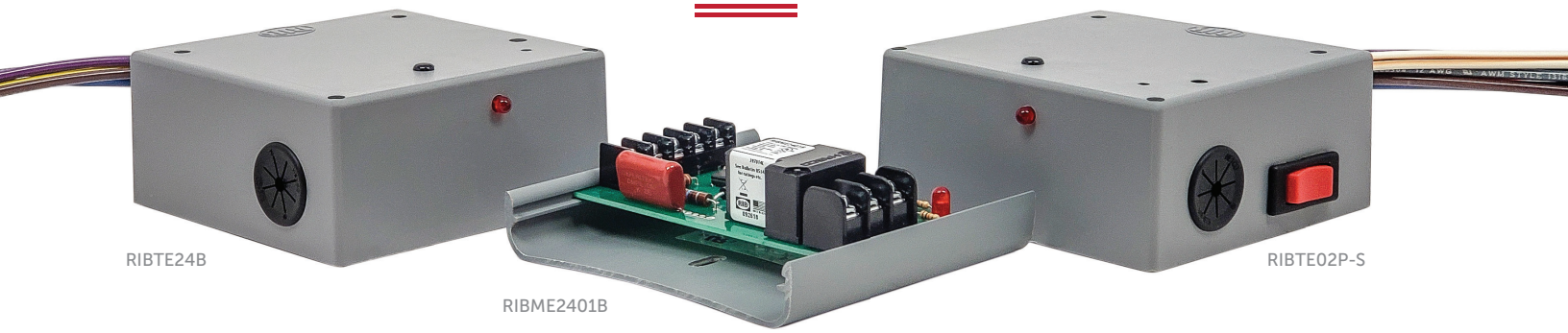
Product Selection Guide. For full product information, see our website.

		COIL VOLTAGE		CONTACT RATINGS						
MODEL #	UL	AC/DC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	OVERRIDE SWITCH	AUXILIARY OUTPUT	HOUSING STYLE *	SHIPPING WEIGHT
RIBL12B	•	12	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac			A	0.420 lb.
RIBL12SB	•	12	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac	•		A	0.420 lb.
RIBL12BM	•	12	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac		•	B	0.490 lb.
RIBL12SBM	•	12	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac	•	•	B	0.490 lb.
RIBL24B	•	24	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac			A	0.420 lb.
RIBL24SB	•	24	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac	•		A	0.420 lb.
RIBL24BM	•	24	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac		•	B	0.600 lb.
RIBL24SBM	•	24	1 SPST	20 A @ 120-277 Vac	3 HP @ 240 Vac	720 VA @ 120-277 Vac	•	•	B	0.592 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada * = See Housing Guide

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

LOW-INPUT / OPTOISOLATED RELAYS

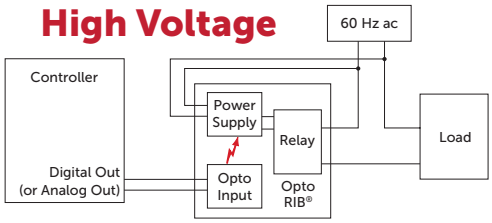


Optoisolated relays help isolate noisy loads from the controller. Good for controlling power relays from analog outputs.

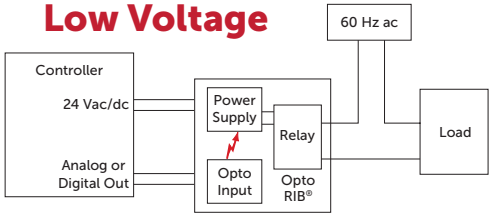
Product Features

- Prepackaged for quick and easy installation
- Extremely low current draw on the input
- Control input can connect to AO for relay control
- Protect controller from feedback or voltage transients

High Voltage



Low Voltage



ENCLOSED LOW-INPUT / OPTOISOLATED RELAYS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	CONTROL INPUT	POWER INPUT	RELAY CONTACTS	CONTACT RATINGS RESISTIVE	CONTACT RATINGS MOTOR	CONTACT RATINGS PILOT DUTY	HIGH/LOW SEPARATION	OVERRIDE SWITCH	HOUSING STYLE *	SHIPPING WEIGHT
RIBTELC	•	5-25 Vac/dc	10-30 Vac/dc	1 SPDT	10 A @ 120-277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•		C	0.578 lb.
RIBTELS	•	5-25 Vac/dc	10-30 Vac/dc	1 SPST	10 A @ 120-277 Vac	1/3 HP @ 120-240 Vac (N/O)	480 VA @ 240-277 Vac	•	1	C	0.666 lb.
RIBTE24B	•	5-25 Vac/dc	24 Vac/dc	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.711 lb.
RIBTE01B	•	5-25 Vac/dc	120 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.730 lb.
RIBTE02B	•	5-25 Vac/dc	208-277 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.734 lb.
RIBTE24SB	•	5-25 Vac/dc	24 Vac/dc	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	1	C	0.760 lb.
RIBTE01SB	•	5-25 Vac/dc	120 Vac	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	1	C	0.743 lb.
RIBTE02SB	•	5-25 Vac/dc	208-277 Vac	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•	1	C	0.747 lb.
RIBTE24P	•	5-25 Vac/dc	24 Vac/dc	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	1,640 VA @ 480 Vac	•		C	0.976 lb.
RIBTE01P	•	5-25 Vac/dc	120 Vac	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	1,640 VA @ 480 Vac	•		C	0.995 lb.
RIBTE02P	•	5-25 Vac/dc	208-277 Vac	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	1,640 VA @ 480 Vac	•		C	1.015 lb.
RIBTE01P-S	•	5-25 Vac/dc	120 Vac	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	1,640 VA @ 480 Vac	•	1 #	C	1.034 lb.
RIBTE02P-S	•	5-25 Vac/dc	208-277 Vac	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	1,640 VA @ 480 Vac	•	1 #	C	1.068 lb.

TRACK MOUNT LOW-INPUT / OPTOISOLATED RELAYS

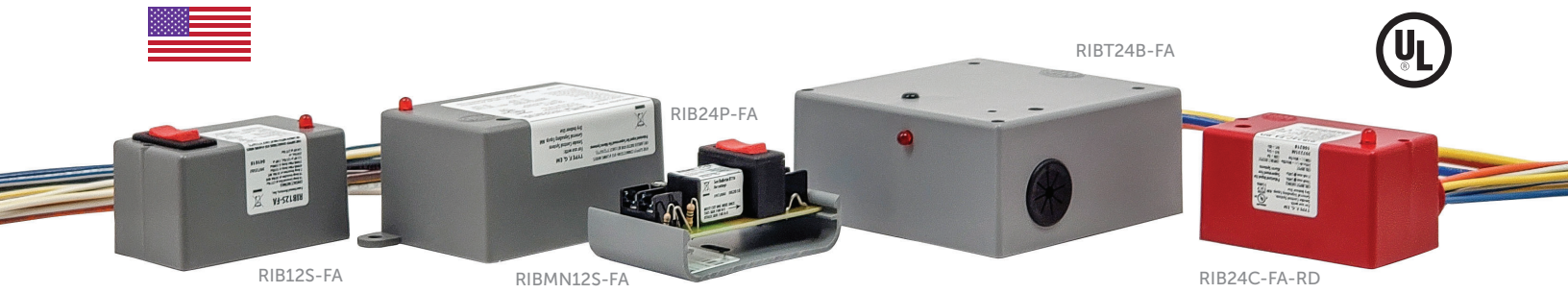
Product Selection Guide. For full product information, see our website.

MODEL #	UL	CONTROL INPUT	POWER INPUT	RELAY CONTACTS	CONTACT RATINGS RESISTIVE	CONTACT RATINGS MOTOR	CONTACT RATINGS PILOT DUTY	OVERRIDE SWITCH	TRACK MOUNT ^	SHIPPING WEIGHT
RIBME2401B	•	5-25 Vac/dc	24 Vac/dc/120 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		MT4 Series	0.197 lb.
RIBME2402B	•	5-25 Vac/dc	24 Vac/dc/208-277 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		MT4 Series	0.226 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada * = See Housing Guide ^ = Track mount sold separately # = Coil side relay override (requires unit to be powered)

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

POLARIZED / ALARM RELAYS

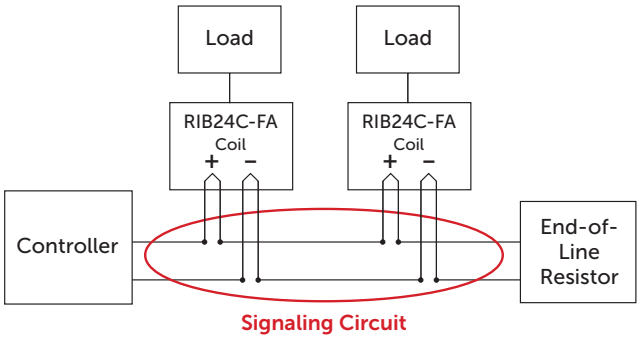


These relays are polarized to work in a supervised system and may be turned on and off by reversing polarity. These prepackaged relays make installation quick and easy and can be used in fire alarm systems, smoke control systems, etc.

Product Features

- Coil input is polarity sensitive
- For use with fire alarm systems
- System supervision for controllers that utilize end-of-line resistors
- Four wire circuit ensures indication of broken wiring connection with RIB®
- Prepackaged for quick and easy installation

Typical Application



ENCLOSED POLARIZED / ALARM RELAYS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	COIL VOLTAGE	RELAY CONTACTS	CONTACT RATINGS: RESISTIVE	CONTACT RATINGS: MOTOR	CONTACT RATINGS: PILOT DUTY	HIGH/LOW SEPARATION	OVERRIDE SWITCH	HOUSING STYLE *	SHIPPING WEIGHT
RIB12C-FA	•	12 Vac/dc	1 SPDT	10 A @ 277 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac			A	0.293 lb.
RIB24C-FA	•	24 Vac/dc	1 SPDT	10 A @ 277 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac			A	0.291 lb.
RIB12S-FA	•	12 Vac/dc	1 SPST	10 A @ 277 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac		1	A	0.290 lb.
RIB24S-FA	•	24 Vac/dc	1 SPST	10 A @ 277 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac		1	A	0.291 lb.
RIBT24B-FA	•	24 Vac/dc	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.660 lb.
RIB24P-FA	•	24 Vac/dc	1 DPDT	20 A @ 300 Vac	3 HP @ 480-600 Vac	1,640 VA @ 480 Vac			B	0.755 lb.

TRACK MOUNT POLARIZED / ALARM RELAYS

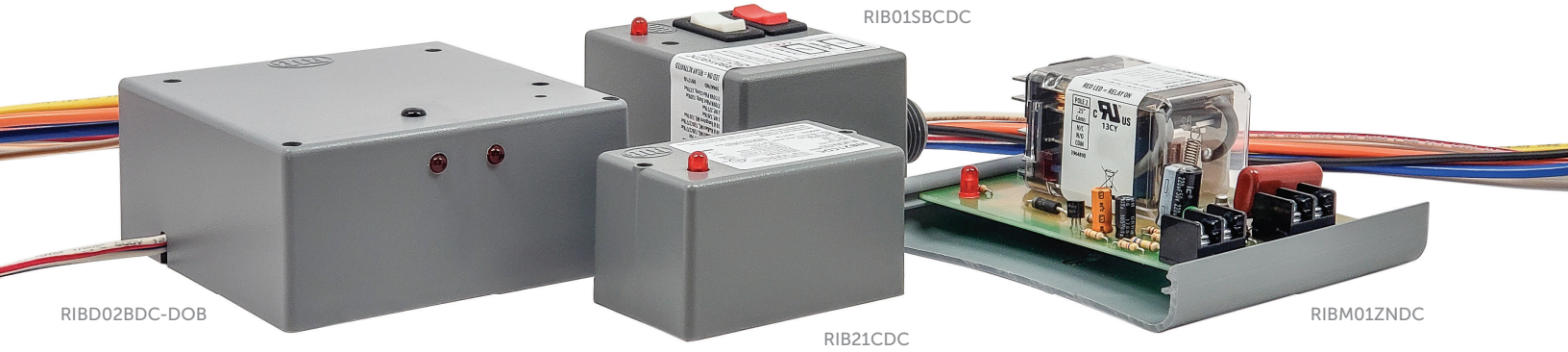
Product Selection Guide. For full product information, see our website.

MODEL #	UL	COIL VOLTAGE	RELAY CONTACTS	CONTACT RATINGS: RESISTIVE	CONTACT RATINGS: MOTOR	CONTACT RATINGS: PILOT DUTY	OVERRIDE SWITCH	TRACK MOUNT ^	SHIPPING WEIGHT
RIBMN12C-FA	•	12 Vac/dc	1 SPDT	15 A @ 125 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac		MT212 Series	0.113 lb.
RIBMN24C-FA	•	24 Vac/dc	1 SPDT	15 A @ 125 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac		MT212 Series	0.120 lb.
RIBMN12S-FA	•	12 Vac/dc	1 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac	1	MT212 Series	0.127 lb.
RIBMN24S-FA	•	24 Vac/dc	1 SPST	15 A @ 125 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac	1	MT212 Series	0.127 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada * = See Housing Guide ^ = Track mount sold separately

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

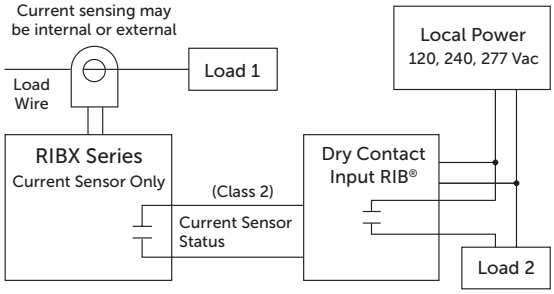
DRY CONTACT INPUT RELAYS



Product Features

- Prepackaged for quick and easy installation
- Provides low-voltage (Class 2) power needed to activate the relay (self-powered) by closing the dry contact input
- Activated by a wide range of dry contacts such as thermostats, switches, other relays, solid-state switches, etc.
- Power to energize the relay can be brought to the relay on a separate pair of wires along with the control output of the controller, or can be a local power source near the relay
- Relay contacts are isolated from the input power and the dry contact input, so they can be wired to switch any other power-load or low-voltage load (see specifications for contact ratings)

Typical Application



Self-powered current switches of the RIBX Series and relays of the Dry Contact Input RIB® Series may be applied to interlock Load 2 to Load 1.

ENCLOSED DRY CONTACT INPUT RELAYS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	POWER INPUT	RELAY CONTACTS	CONTACT RATINGS: RESISTIVE	CONTACT RATINGS: MOTOR	CONTACT RATINGS: PILOT DUTY	HIGH/LOW SEPARATION	OVERRIDE SWITCH	HOUSING STYLE *	SHIPPING WEIGHT
RIB21CDC	•	120-277 Vac	1 SPDT	10 A @ 277 Vac	1 HP @ 250 Vac	770 VA @ 250 Vac			A	0.314 lb.
RIB01BDC	•	120 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			B	0.514 lb.
RIB02BDC	•	208-277 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			B	0.520 lb.
RIB01SBDC	•	120 Vac	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		1	B	0.513 lb.
RIB02SBDC	•	208-277 Vac	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		1	B	0.518 lb.
RIB01SBCDC	•	120 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		2	B	0.590 lb.
RIB02SBCDC	•	208-277 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac		2	B	0.580 lb.
RIBD01BDC ~	•	120 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.781 lb.
RIBD02BDC ~	•	208-277 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.790 lb.
RIBD01BDC-DOB ~	•	120 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.784 lb.
RIBD02BDC-DOB ~	•	208-277 Vac	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	•		C	0.805 lb.

TRACK MOUNT DRY CONTACT INPUT RELAYS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	POWER INPUT	RELAY CONTACTS	CONTACT RATINGS: RESISTIVE	CONTACT RATINGS: MOTOR	CONTACT RATINGS: PILOT DUTY	OVERRIDE SWITCH	TRACK MOUNT ^	SHIPPING WEIGHT
RIBM01ZNDC	•	120 Vac	1 DPDT	30 A @ 300 Vac	3 HP @ 480-600 Vac	B600		MT4 Series	0.352 lb.
RIBM02ZNDC	•	208-277 Vac	1 DPDT	30 A @ 300 Vac	3 HP @ 480-600 Vac	B600		MT4 Series	0.356 lb.
RIBM013PNDC	•	120 Vac	1 3PDT	30 A @ 300 Vac	7.5 HP @ 480 Vac, 3 Phase	2122 VA @ 480 Vac, 3 Phase		MT4 Series	0.402 lb.

UL = UL Listed : UL916 Energy Management; USA & Canada

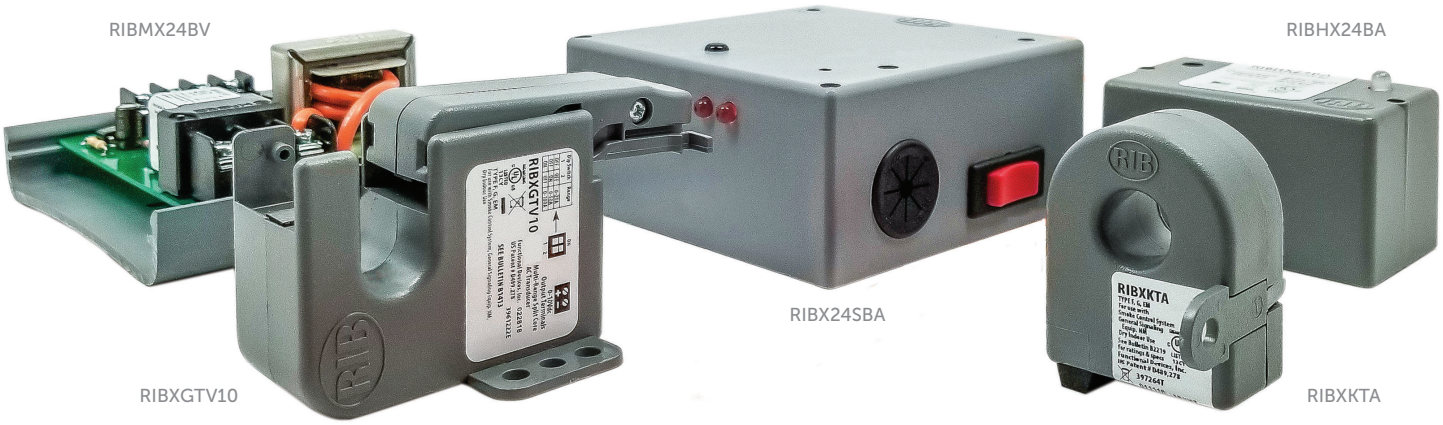
UL = UL Component Recognized : UL916 Energy Management; USA & Canada

~ = Time Delay

* = See Housing Guide

^ = Track mount sold separately

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

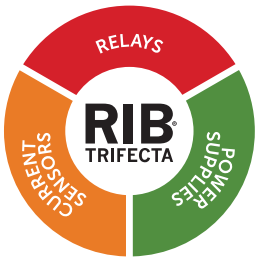


RIB® CURRENT SENSORS, TRANSDUCERS, AND RELAY AND SENSOR COMBOS ARE PREPACKAGED TO MAKE INSTALLATION EASY

- Prepackaged: Sensor, LED indicators, and wires or terminals
- Some models available with 10 Amp or 20 Amp relay
- Sense up to 150 Amps
- Split and solid core models
- Fixed or adjustable thresholds
- Hi/Low voltage separation
- Transducers with voltage output or 4-20mA regulation available
- Enclosed or track mount
- HOA switches available
- UL Listed
- Made in the USA

Functional Devices Certified for use with ECMs

- RIBXKA
- RIBXKF
- RIBXKTA
- RIBXKTF
- RIBXGA
- RIBXGF
- RIBXGTA
- RIBXGTF
- RIBXG21A
- RIBXG21F
- RIBXG21TA
- RIBXG21TF
- RIBXGA-SCAL
- RIBXGTA-SCAL
- RIBXGFL
- RIBXGHA
- RIBXGHF
- RIBXGHTA
- RIBXGHTF
- RIBXGTFL
- RIBXA
- RIBXF
- RIBXJA
- RIBXJF
- RIBXRA
- RIBXRF
- RIBHX24BF
- RIBX243PA
- RIBX243PF
- RIBX24BA
- RIBX24BF
- RIBX24SBA
- RIBX24SBF
- RIBXLCA
- RIBXLCF
- RIBXLCJA
- RIBXLCJF
- RIBXLCRA
- RIBXLCRF
- RIBXLSA
- RIBXLSF
- RIBXLSJA
- RIBXLSJF
- RIBXLSRA
- RIBXLSRF
- RIBMX24BA
- RIBMX24BF
- RIBMX24SBA
- RIBMX24SBF



CURRENT SENSORS

SOLID AND SPLIT CORE AC SENSORS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	SENSING RANGE	TYPE	THRESHOLD	SENSOR CONTACT TYPE	SWITCHING VOLTAGE RANGE	MAX. SWITCHING CURRENT	SENSOR CONTACT TERMINATION	SENSOR OUTPUT *	SHIPPING WEIGHT
RIBXKF	•	.25-150 A	Solid	Fixed, .25 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16˝ 18 AWG Wire Leads		0.175 lb.
RIBXKTF	•	.25-150 A	Solid	Fixed, .25 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.146 lb.
RIBXKA	•	.50-150 A	Solid	Adjustable	Solid State Switch SPST	30 Vac/dc	.8 Amps Max	Wht/Yel 16˝ 18 AWG Wire Leads		0.175 lb.
RIBXKTA	•	.50-150 A	Solid	Adjustable	Solid State Switch SPST	30 Vac/dc	.8 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.147 lb.
RIBXGHF	• [1]	.50-150 A	Split	Fixed, .50 Amp	Solid State Switch SPST	120 Vac only	1 Amp Max	Wht/Blk 16˝ 18 AWG Wire Leads		0.291 lb.
RIBXGHTF	• [1]	.50-150 A	Split	Fixed, .50 Amp	Solid State Switch SPST	120 Vac only	1 Amp Max	Terminal Strip, Accepts #14-22 AWG Wire		0.243 lb.
RIBXGHA	• [1]	.75-150 A	Split	Adjustable	Solid State Switch SPST	120 Vac only	1 Amp Max	Wht/Blk 16˝ 18 AWG Wire Leads		0.286 lb.
RIBXGHTA	• [1]	.75-150 A	Split	Adjustable	Solid State Switch SPST	120 Vac only	1 Amp Max	Terminal Strip, Accepts #14-22 AWG Wire		0.249 lb.
RIBXGF	•	.35-150 A	Split	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16˝ 18 AWG Wire Leads		0.273 lb.
RIBXGFL	•	.75-150 A	Split	Fixed, .75 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16˝ 18 AWG Wire Leads		0.280 lb.
RIBXGTF	•	.35-150 A	Split	Fixed, .35 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.235 lb.
RIBXGTFL	•	.75-150 A	Split	Fixed, .75 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.240 lb.
RIBXGA	•	.75-150 A	Split	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16˝ 18 AWG Wire Leads		0.276 lb.
RIBXGTA	•	.75-150 A	Split	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.243 lb.
RIBXGA-SCAL	•	3-150 A	Split	Self-Calibrating	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Wht/Yel 16˝ 18 AWG Wire Leads		0.292 lb.
RIBXGTA-SCAL	•	3-150 A	Split	Self-Calibrating	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.248 lb.
RIBXG21F	• [1]	.50-150 A	Split	Fixed, .50 Amp	Solid State Switch SPST	120-277 Vac	1 Amp Max	Wht/Blk 16˝ 18 AWG Wire Leads		0.288 lb.
RIBXG21TF	• [1]	.50-150 A	Split	Fixed, .50 Amp	Solid State Switch SPST	120-277 Vac	1 Amp Max	Terminal Strip, Accepts #14-22 AWG Wire		0.243 lb.
RIBXG21A	• [1]	.75-150 A	Split	Adjustable	Solid State Switch SPST	120-277 Vac	1 Amp Max	Wht/Blk 16˝ 18 AWG Wire Leads		0.290 lb.
RIBXG21TA	• [1]	.75-150 A	Split	Adjustable	Solid State Switch SPST	120-277 Vac	1 Amp Max	Terminal Strip, Accepts #14-22 AWG Wire		0.244 lb.
RIBXKTV5-10	•	0-10 A	Solid	Analog				Terminal Strip, Accepts #14-22 AWG Wire	0-5 Vdc	0.148 lb.
RIBXKTV5-20	•	0-20 A	Solid	Analog				Terminal Strip, Accepts #14-22 AWG Wire	0-5 Vdc	0.150 lb.
RIBXKTV5-50	•	0-50 A	Solid	Analog				Terminal Strip, Accepts #14-22 AWG Wire	0-5 Vdc	0.151 lb.
RIBXKTV5-100	•	0-100 A	Solid	Analog				Terminal Strip, Accepts #14-22 AWG Wire	0-5 Vdc	0.149 lb.
RIBXK420-20	•	0-20 A	Solid	Analog				Red & Blk 16˝ 18 AWG Wire Leads	4-20 mA	0.178 lb.
RIBXK420-50	•	0-50 A	Solid	Analog				Red & Blk 16˝ 18 AWG Wire Leads	4-20 mA	0.180 lb.
RIBXK420-100	•	0-100 A	Solid	Analog				Red & Blk 16˝ 18 AWG Wire Leads	4-20 mA	0.180 lb.
RIBXGTV5	•	0-20 A, 0-50 A, 0-100 A	Split	Analog				Terminal Strip, Accepts #14-22 AWG Wire	0-5 Vdc	0.246 lb.
RIBXGTV10	•	0-20 A, 0-50 A, 0-100 A	Split	Analog				Terminal Strip, Accepts #14-22 AWG Wire	0-10 Vdc	0.246 lb.
RIBXG420-20	• [2]	0-20 A	Split	Analog				Red & Blk 16˝ 18 AWG Wire Leads	4-20 mA	0.284 lb.
RIBXG420-50	• [2]	0-50 A	Split	Analog				Red & Blk 16˝ 18 AWG Wire Leads	4-20 mA	0.276 lb.
RIBXG420-100	• [2]	0-100 A	Split	Analog				Red & Blk 16˝ 18 AWG Wire Leads	4-20 mA	0.284 lb.

T STYLE AC SENSORS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	SENSING RANGE	TYPE	THRESHOLD	SENSOR CONTACT TYPE	SWITCHING VOLTAGE RANGE	MAX. SWITCHING CURRENT	SENSOR CONTACT TERMINATION	SENSOR OUTPUT	SHIPPING WEIGHT
RIBXF	•	.50-30 A	Internal	Fixed, .50 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.828 lb.
RIBXA	•	.50-30 A	Internal	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.835 lb.
RIBXV	•	0-30 A	Internal	Analog				Terminal Strip, Accepts #14-22 AWG Wire	0-5 Vdc / 0-10 Vdc	0.833 lb.
RIBXRF	•	1.25-150 A	Solid	Fixed, 1.25 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.684 lb.
RIBXRA	•	1.25-150 A	Solid	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.676 lb.
RIBXJF	•	3-150 A	Split	Fixed, 3 Amp	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.759 lb.
RIBXJA	•	3-150 A	Split	Adjustable	Solid State Switch SPST	30 Vac/dc	.4 Amps Max	Terminal Strip, Accepts #14-22 AWG Wire		0.759 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada

UL [1] = UL Listed : UL916 Energy Management ; USA & Canada

UL [2] = UL Listed : UL864 Fire, UL508 Industrial Control ; USA & Canada

* = 4-20 mA is Loop Powered

Refer to Housing Guide or product data sheet for housing information.

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

CURRENT SENSOR & RELAY COMBINATIONS

ENCLOSED AC SENSORS WITH RELAYS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	COIL VOLTAGE	RELAY CONTACTS	OVER-RIDE SWITCH	RESISTIVE	SENSING RANGE	TYPE *	THRESHOLD	SENSOR CONTACT TYPE	SWITCHING VOLTAGE RANGE	MAX. SWITCHING CURRENT	SENSOR OUTPUT	SHIPPING WEIGHT
RIBHX24BF	• [1]	24 Vac	1 SPST-N/O		20 A @ 277 Vac	.25-20 A	Internal	Fixed, .25 Amp	Solid State Switch Contact	30 Vac/dc	.1 Amps Max		0.407 lb.
RIBHX24BA	• [1]	24 Vac	1 SPST-N/O		20 A @ 277 Vac	.25-20 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.1 Amps Max		0.407 lb.
RIBXLCF	•	10-30 Vac/dc	1 SPDT		10 A @ 120-277 Vac	.50-10 A	Internal	Fixed, .50 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.758 lb.
RIBXLCA	•	10-30 Vac/dc	1 SPDT		10 A @ 120-277 Vac	.50-10 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.770 lb.
RIBXLCV	•	10-30 Vac/dc	1 SPDT		10 A @ 120-277 Vac	0-10 A	Internal	Analog				0-5 Vdc / 0-10 Vdc	0.780 lb.
RIBXLCRF	•	10-30 Vac/dc	1 SPDT		10 A @ 120-277 Vac	1.25-150 A	External	Fixed, 1.25 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.820 lb.
RIBXLCRA	•	10-30 Vac/dc	1 SPDT		10 A @ 120-277 Vac	1.25-150 A	External	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.768 lb.
RIBXLCJF	•	10-30 Vac/dc	1 SPDT		10 A @ 120-277 Vac	3-150 A	External	Fixed, 3 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.913 lb.
RIBXLCJA	•	10-30 Vac/dc	1 SPDT		10 A @ 120-277 Vac	3-150 A	External	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.867 lb.
RIBXLCEA	•	10-30 Vac/dc	1 SPDT		5 A @ 277 Vac	.125 - 5 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.787 lb.
RIBXLCEV	•	10-30 Vac/dc	1 SPDT		5 A @ 277 Vac	0 - 5 A	Internal	Analog				0-5 Vdc / 0-10 Vdc	0.777 lb.
RIBXLSF	•	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	.50-10 A	Internal	Fixed, .50 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.786 lb.
RIBXLSA	•	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	.50-10 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.792 lb.
RIBXLSV	•	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	0 - 10 A	Internal	Analog				0-5 Vdc / 0-10 Vdc	0.795 lb.
RIBXLSRF	•	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	1.25-150 A	External	Fixed, 1.25 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.852 lb.
RIBXLSRA	•	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	1.25-150 A	External	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.768 lb.
RIBXLSJF	•	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	3-150 A	External	Fixed, 3 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.942 lb.
RIBXLSJA	•	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	3-150 A	External	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.898 lb.
RIBXLSEA	•	10-30 Vac/dc	1 SPST	1	5 A @ 277 Vac	.125 - 5 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.856 lb.
RIBXLSEV	•	10-30 Vac/dc	1 SPST	1	5 A @ 277 Vac	0 - 5 A	Internal	Analog				0-5 Vdc / 0-10 Vdc	0.840 lb.
RIBX24BF	•	24 Vac/dc	1 SPDT		20 A @ 277 Vac	.50-20 A	Internal	Fixed, .50 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.880 lb.
RIBX24BA	•	24 Vac/dc	1 SPDT		20 A @ 277 Vac	.50-20 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.890 lb.
RIBX24BV	•	24 Vac/dc	1 SPDT		20 A @ 277 Vac	0-20 A	Internal	Analog				0-5 Vdc / 0-10 Vdc	0.887 lb.
RIBX24SBF	•	24 Vac/dc	1 SPST	1	20 A @ 277 Vac	.50-20 A	Internal	Fixed, .50 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.877 lb.
RIBX24SBA	•	24 Vac/dc	1 SPST	1	20 A @ 277 Vac	.50-20 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		0.882 lb.
RIBX24SBV	•	24 Vac/dc	1 SPST	1	20 A @ 277 Vac	0-20 A	Internal	Analog				0-5 Vdc / 0-10 Vdc	0.906 lb.
RIBX243PF	• [1]	24 Vac/dc	1 3PST		20 A @ 300 Vac	.50-20 A	Internal	Fixed, .50 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		1.190 lb.
RIBX243PA	• [1]	24 Vac/dc	1 3PST		20 A @ 300 Vac	.50-20 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		1.190 lb.
RIBX243PV	• [1]	24 Vac/dc	1 3PST		20 A @ 300 Vac	0-20 A	Internal	Analog				0-10 Vdc	1.207 lb.

TRACK MOUNT AC SENSORS WITH RELAYS

Product Selection Guide. For full product information, see our website.

MODEL #	UL	COIL VOLTAGE	RELAY CONTACTS	OVER-RIDE SWITCH	RESISTIVE	SENSING RANGE	TYPE *	THRESHOLD	SENSOR CONTACT TYPE	SWITCHING VOLTAGE RANGE	MAX. SWITCHING CURRENT	SENSOR OUTPUT	TRACK MOUNT ^	SHIPPING WEIGHT
RIBRXLCF	• [1]	10-30 Vac/dc	1 SPST		10 A @ 277 Vac	.25-10 A	Internal	Fixed, .25 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		DIN Rail	0.285 lb.
RIBRXLCA	• [1]	10-30 Vac/dc	1 SPST		10 A @ 277 Vac	.25-10 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		DIN Rail	0.285 lb.
RIBRXLSA	• [1]	10-30 Vac/dc	1 SPST	1	10 A @ 277 Vac	.25-10 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		DIN Rail	0.285 lb.
RIBMX24BF	•	24 Vac/dc	1 SPDT		20 A @ 277 Vac	.50-20 A	Internal	Fixed, .50 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		MT4 Series	0.410 lb.
RIBMX24BA	•	24 Vac/dc	1 SPDT		20 A @ 277 Vac	.50-20 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		MT4 Series	0.410 lb.
RIBMX24SBF	•	24 Vac/dc	1 SPST	1	20 A @ 277 Vac	.50-20 A	Internal	Fixed, .50 Amp	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		MT4 Series	0.438 lb.
RIBMX24SBA	•	24 Vac/dc	1 SPST	1	20 A @ 277 Vac	.50-20 A	Internal	Adjustable	Solid State Switch Contact	30 Vac/dc	.4 Amps Max		MT4 Series	0.446 lb.
RIBMX24SBV	•	24 Vac/dc	1 SPST	1	20 A @ 277 Vac	0-20 A	Internal	Analog				0-5 Vdc / 0-10 Vdc	MT4 Series	0.408 lb.

UL = UL Listed : UL916 Energy Management, UL864 Fire ; USA & Canada

UL [1] = UL Listed : UL916 Energy Management ; USA & Canada

* = Internal current sensor monitors current through common contact of relay

^ = Track mount sold separately

Refer to Housing Guide or product data sheet for housing information.

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

AC & DC POWER SUPPLIES

AC & DC POWER SUPPLIES

- 40 - 500 VA AC models
- Single & dual transformers
- Prepackaged power supply kits
- Class 2 models
- On/off control
- Overcurrent protection
- LED power indicator
- High/low voltage separation
- 120 Vac convenience outlets

500, 300 & 200 VA Power Supplies are Perfect for VAV & Zone and Network Controller Applications

- 5 or 3 isolated 100 VA or 5 isolated 40 VA outputs
- On/Off circuit breaker switch for each output
- UL Listed Class 2
- Enclosed or sub-panel mount
- Low voltage compartment models available
- 120 Vac convenience outlet available

Mounting Your Controller and Peripheral Devices is Easy and Convenient in our Prepackaged Power Supply Solutions

Metal Enclosure, Power Supply, and Sub-Panel with Several Options to Fit Your Needs

If you plan to install a controller and other peripheral devices, an important consideration is where the items will be placed within an enclosure and how they will be powered. We have a line of products that can address both of those needs: the MHP Series. These products include a metal enclosure, power supply, and a sub-panel with several prepackaged options to meet your specific needs.

AC POWER SUPPLIES: 40-100 VA

Product Selection Guide. For full product information, see our website.

MODEL #	UL	TRANSFORMER(S)	INPUT POWER	HEIGHT	WIDTH	DEPTH	120 VAC OUTLETS	AUX OUTPUT WIRE	MAIN BREAKER ON INPUT POWER *	SECONDARY CONFIGURATION	EXTENSION CORD	HOUSING STYLE / TRACK MOUNT	SHIPPING WEIGHT
PSB40AB10	• [1]	40 VA	120 Vac	5.200″	5.250″	3.750″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Panel Mount	3.340 lb.
PSB100AB10	• [1]	100 VA	120 Vac	5.200″	5.250″	3.750″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Panel Mount	4.710 lb.
PSC40AB10	• [1]	40 VA	120 Vac	6.250″	5.620″	4.250″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Enclosed	5.727 lb.
PSC100AB10	• [1]	100 VA	120 Vac	6.250″	5.620″	4.250″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Enclosed	7.075 lb.
PSMN40A	•	40 VA	120 Vac	3.250″	2.750″	2.000″				Terminal Strip		MT212-4 included	1.636 lb.
PSMN40AS	•	40 VA	120 Vac	3.250″	2.750″	2.000″				Terminal Strip		MT212-4 included	1.790 lb.
PSH40A	• [1]	40 VA	120 Vac	4.500″	5.438″	4.500″	•			Ext. Terminal Strip		Enclosed	4.013 lb.
PSH40AW	• [1]	40 VA	120 Vac	4.500″	5.438″	4.500″	•			Internal Wires		Enclosed	4.020 lb.
PSH40AB10	• [1]	40 VA	120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Enclosed	4.195 lb.
PSH40AB10-EXT2	•	40 VA	120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Ext. Terminal Strip	•	Enclosed	4.513 lb.
PSH40AWB10	• [1]	40 VA	120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Internal Wires		Enclosed	4.140 lb.
PSH75A	•	75 VA	480/277/240/208/120 Vac	4.500″	5.438″	4.500″	•			Ext. Terminal Strip		Enclosed	5.386 lb.
PSH75AW	•	75 VA	480/277/240/208/120 Vac	4.500″	5.438″	4.500″	•			Internal Wires		Enclosed	5.160 lb.
PSH75AB10	•	75 VA	480/277/240/208/120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Enclosed	5.433 lb.
PSH75AWB10	•	75 VA	480/277/240/208/120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Internal Wires		Enclosed	5.473 lb.
PSH100A	• [1]	100 VA	120 Vac	4.500″	5.438″	4.500″	•			Ext. Terminal Strip		Enclosed	5.352 lb.
PSH100AW	• [1]	100 VA	120 Vac	4.500″	5.438″	4.500″	•			Internal Wires		Enclosed	5.120 lb.
PSH100AB10	• [1]	100 VA	120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Enclosed	5.480 lb.
PSH100AB10-EXT2	•	100 VA	120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Ext. Terminal Strip	•	Enclosed	5.240 lb.
PSH100AWB10	• [1]	100 VA	120 Vac	4.500″	5.438″	4.500″	•	•	10 A Switch/Breaker	Internal Wires		Enclosed	5.487 lb.
PSH75A75A	•	75 VA, 75 VA	480/277/240/208/120 Vac	4.500″	8.625″	4.500″	•			Ext. Terminal Strip		Enclosed	9.376 lb.
PSH75A75AW	•	75 VA, 75 VA	480/277/240/208/120 Vac	4.500″	8.625″	4.500″	•			Internal Wires		Enclosed	9.440 lb.
PSH75A75AB10	•	75 VA, 75 VA	480/277/240/208/120 Vac	4.500″	8.625″	4.500″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Enclosed	9.280 lb.
PSH75A75AWB10	•	75 VA, 75 VA	480/277/240/208/120 Vac	4.500″	8.625″	4.500″	•	•	10 A Switch/Breaker	Internal Wires		Enclosed	9.330 lb.
PSH100A100A	• [1]	100 VA, 100 VA	120 Vac	4.500″	8.625″	4.500″	•			Ext. Terminal Strip		Enclosed	9.227 lb.
PSH100A100AW	• [1]	100 VA, 100 VA	120 Vac	4.500″	8.625″	4.500″	•			Internal Wires		Enclosed	9.395 lb.
PSH100A100AB10	• [1]	100 VA, 100 VA	120 Vac	4.500″	8.625″	4.500″	•	•	10 A Switch/Breaker	Ext. Terminal Strip		Enclosed	9.320 lb.
PSH100A100AWB10	• [1]	100 VA, 100 VA	120 Vac	4.500″	8.625″	4.500″	•	•	10 A Switch/Breaker	Internal Wires		Enclosed	9.440 lb.

AC POWER SUPPLIES: 200-500 VA

Product Selection Guide. For full product information, see our website.

MODEL #	UL	TRANSFORMER	INPUT POWER	HEIGHT	WIDTH	DEPTH	120 VAC OUTLET #	BREAKER PER OUTPUT	SECONDARY CONFIGURATION	HOUSING STYLE / SUB-PANEL	SHIPPING WEIGHT
PSH500A	•	500 VA (five 100 VA Outputs)	480/277/240/120 Vac	12.125″	12.125″	6.000″		5 x 4 Amp	Terminals	Enclosed	32.368 lb.
PSH300A	•	300 VA (three 100 VA Outputs)	480/277/240/120 Vac	12.125″	12.125″	6.000″		3 x 4 Amp	Terminals	Enclosed	20.922 lb.
PSH200A	•	200 VA (five 40 VA Outputs)	480/347/277/240/120 Vac	12.125″	12.125″	6.000″		5 x 2 Amp	Terminals	Enclosed	19.440 lb.
PSMN500A	•	500 VA (five 100 VA Outputs)	480/277/240/120 Vac	11.330″	11.400″	5.000″		5 x 4 Amp	Terminals	Sub-panel Mount	21.126 lb.
PSMN300A	•	300 VA (three 100 VA Outputs)	480/277/240/120 Vac	11.330″	11.400″	4.500″		3 x 4 Amp	Terminals	Sub-panel Mount	11.300 lb.
PSMN200A	•	200 VA (five 40 VA Outputs)	480/347/277/240/120 Vac	11.330″	11.400″	5.000″		5 x 2 Amp	Terminals	Sub-panel Mount	10.540 lb.
PSH500A-LVC	•	500 VA (five 100 VA Outputs)	480/277/240/120 Vac	12.125″	12.125″	6.000″		5 x 4 Amp	Terminals	Enclosed with Low Voltage Compartment	33.080 lb.
PSH300A-LVC	•	300 VA (three 100 VA Outputs)	480/277/240/120 Vac	12.125″	12.125″	6.000″		3 x 4 Amp	Terminals	Enclosed with Low Voltage Compartment	21.500 lb.
PSH200A-LVC	•	200 VA (five 40 VA Outputs)	480/347/277/240/120 Vac	12.125″	12.125″	6.000″		5 x 2 Amp	Terminals	Enclosed with Low Voltage Compartment	20.300 lb.
PSH500AB10-LVC	•	500 VA (five 100 VA Outputs)	120 Vac	12.125″	12.125″	6.000″	•	5 x 4 Amp	Terminals	Enclosed with Low Voltage Compartment	33.280 lb.
PSH300AB10-LVC	•	300 VA (three 100 VA Outputs)	120 Vac	12.125″	12.125″	6.000″	•	3 x 4 Amp	Terminals	Enclosed with Low Voltage Compartment	21.620 lb.
PSH200AB10-LVC	•	200 VA (five 40 VA Outputs)	120 Vac	12.125″	12.125″	6.000″	•	5 x 2 Amp	Terminals	Enclosed with Low Voltage Compartment	20.916 lb.

UL = Class 2 (UL Approved UL5085-3) : UL916 Energy Management USA & Canada

UL [1] = Class 2 (UL Approved UL5085-3) : UL916 Energy Management USA & Canada : UL508 Industrial Control Equipment

* = Kills power to entire unit: Outlets, Aux. Output, & Transformer; Total Combined Output 9A

= Convenience outlet has 4 Amp Breaker

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

AC & DC POWER SUPPLIES

PREPACKAGED AC POWER SUPPLY KITS

Product Selection Guide. For full product information, see our website.

MODEL #	TRANS-FORMER(S)	INPUT POWER	HEIGHT	WIDTH	DEPTH	120 VAC OUTLETS	AUX OUTPUT WIRE	ON/OFF SWITCH	MAIN BREAKER ON INPUT POWER *	SECONDARY CONFIGURATION	METAL HOUSING	SUB-PANEL / TRACK MOUNT	SHIPPING WEIGHT
CTRL-PS	40 VA	120 Vac	14.500″	7.700″	3.900″			•			MH1000	MT212-4 included	9.220 lb.
MHP3903100AB10	100 VA	120 Vac	12.500″	24.500″	6.500″	•	•	•	10 A Switch/Breaker	Ext. Terminal Strip	MH3900	SP3803S (Polymetal)	31.000 lb.
MHP3904100AB10	100 VA	120 Vac	12.500″	24.500″	6.500″	•	•	•	10 A Switch/Breaker	Ext. Terminal Strip	MH3900	SP3804S (Perforated)	31.000 lb.
MHP4604100AB10	100 VA	120 Vac	16.150″	20.000″	6.720″	•	•	•	10 A Switch/Breaker	Ext. Terminal Strip	MH4600	SP4604 (Perforated)	31.000 lb.
MHP3903100A100AB10	100 VA, 100 VA	120 Vac	12.500″	24.500″	6.500″	•	•	•	10 A Switch/Breaker	Ext. Terminal Strip	MH3900	SP3803S (Polymetal)	33.000 lb.
MHP3904100A100AB10	100 VA, 100 VA	120 Vac	12.500″	24.500″	6.500″	•	•	•	10 A Switch/Breaker	Ext. Terminal Strip	MH3900	SP3804S (Perforated)	33.000 lb.
MHP4604100A100AB10	100 VA, 100 VA	120 Vac	16.150″	20.000″	6.720″	•	•	•	10 A Switch/Breaker	Ext. Terminal Strip	MH4600	SP4604 (Perforated)	33.000 lb.

DC POWER SUPPLIES

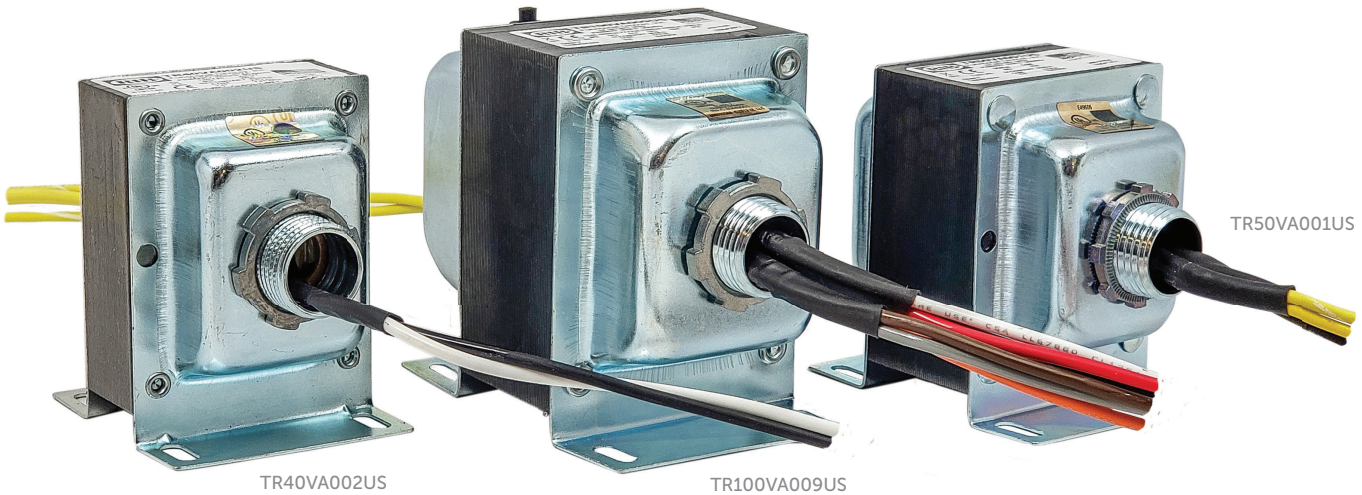
Product Selection Guide. For full product information, see our website.

MODEL #	UL	VOLTAGE INPUT	VOLTAGE OUTPUT	OUTPUT CURRENT	ON/OFF SWITCH	HEIGHT	WIDTH	DEPTH	HOUSING STYLE / TRACK MOUNT	SHIPPING WEIGHT
PSP24DA	•	24 Vac	Adjustable 1.5-28 Vdc ; Non-Isolated	300 mA		2.300″	3.200″	1.800″	Enclosed	0.363 lb.
PSH24DWB10		120 Vac	Fixed 24 Vdc ; Isolated	2.5 Amp	•	4.500″	5.438″	4.500″	Enclosed	3.000 lb.
PSH100A24DWB10		120 Vac	Fixed 24 Vdc ; Isolated 100 VA, 24 Vac	2.5 Amp	•	4.500″	8.625″	4.500″	Enclosed	6.987 lb.
PSMN24DA	•	24 Vac	Adjustable 1.5-28 Vdc ; Non-Isolated	300 mA		1.750″	2.750″	1.500″	MT212-2 included	0.169 lb.
PSMN24DAS	•	24 Vac	Adjustable 1.5-28 Vdc ; Non-Isolated	300 mA	•	1.750″	2.750″	1.500″	MT212-2 included	0.187 lb.
PSM20A12DAS	•	24 Vac	Adjustable 1.5-14 Vdc ; Isolated	300 mA	•	4.000″	2.750″	1.625″	MT212-4 included	1.169 lb.
PSM24A24DAS	•	24 Vac	Adjustable 1.5-28 Vdc ; Isolated	300 mA	•	4.000″	2.750″	1.625″	MT212-4 included	1.198 lb.
PSM19A24DAS	•	120 Vac	Adjustable 1.5-28 Vdc ; Isolated	300 mA	•	4.000″	2.750″	1.625″	MT212-4 included	1.162 lb.
PSMN40A24DS	•	120 Vac	Fixed 24 Vdc ; Isolated	1 Amp	•	5.000″	2.750″	2.500″	MT212-6 included	1.890 lb.

UL = Class 2 (UL Approved UL5085-3) : UL916 Energy Management USA & Canada

* = Kills power to entire unit: Outlets, Aux. Output, & Transformer; Total Combined Output 9A

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.



US MANUFACTURED TRANSFORMERS

- 40 VA through 96 VA
- Single and dual hub
- Foot or hub mountable
- Circuit breaker models
- Class 2 UL Listed
- 24 Vac secondary
- Single and multi-tap primaries

MADE IN THE U.S.A.

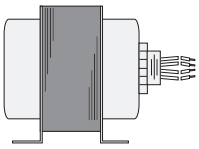
US MANUFACTURED TRANSFORMERS: 40-96 VA

MODEL #	MADE IN USA	UL	VA RATING	STYLE	OVER CURRENT PROTECTION	CLASS 2	PRIMARY VOLTAGE (VAC)	SEC. VOLTAGE (VAC)	FOOT MOUNT	HUBS	L	W	H	A	B	C	SHIPPING WEIGHT
TR40VA001US	•	•	40VA	1	Inherent	•	120	24	•	1 Threaded	2.380″	2.200″	2.930″	1.720″	1.750″	.980″	1.770 lb.
TR40VA002US	•	•	40VA	4	Inherent	•	120	24	•	2 Threaded	2.380″	2.200″	2.920″	1.720″	1.750″	.980″	1.780 lb.
TR50VA001US	•	•	50VA	1	Fuse	•	120	24	•	1 Threaded	2.750″	2.200″	2.910″	2.060″	1.750″	1.330″	2.200 lb.
TR50VA005US	•	•	50VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	3.270″	2.525″	3.250″	2.210″	2.000″	1.130″	2.668 lb.
TR50VA022US	•	•	50VA	5	Circuit Brkr.	•	480/277/240/208/120	24	•	2 Threaded	3.260″	2.525″	3.290″	2.190″	2.000″	1.120″	2.760 lb.
TR100VA001US	•	•	96VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	3.780″	2.500″	3.290″	2.740″	2.000″	1.630″	3.570 lb.
TR100VA002US	•	•	96VA	5	Circuit Brkr.	•	120	24	•	2 Threaded	3.750″	2.500″	3.290″	2.690″	2.000″	1.600″	3.600 lb.
TR100VA009US	•	•	96VA	5	Circuit Brkr.	•	480/277/240/208/120	24	•	2 Threaded	3.500″	2.500″	3.250″	2.720″	2.000″	1.630″	3.732 lb.

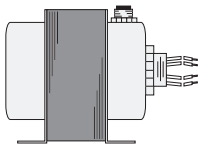
UL = UL Listed : UL5085-2 or UL5085-3 ; USA & Canada

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

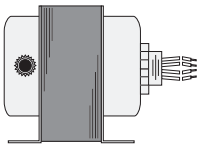
TRANSFORMERS



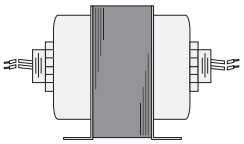
STYLE 1
Single Hub
& Foot Mount



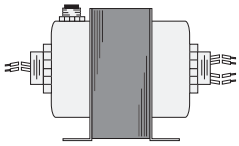
STYLE 2
Single Hub
& Foot Mount
with Circuit Breaker



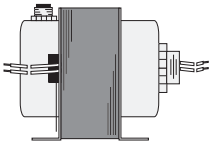
STYLE 3
Single Hub
& Foot Mount
with Circuit Breaker



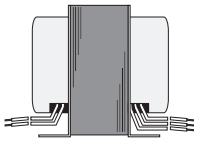
STYLE 4
Dual Hub
& Foot Mount



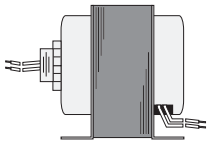
STYLE 5
Dual Hub
& Foot Mount
with Circuit Breaker



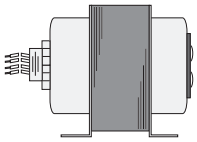
STYLE 6
Single Hub
& Side Opening
with Circuit Breaker



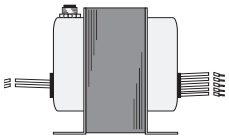
STYLE 7
Two Bottom Openings
& Foot Mount



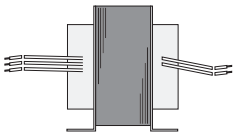
STYLE 8
Single Hub,
Side Opening
& Foot Mount



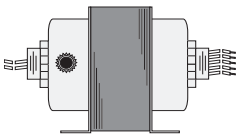
STYLE 9
Single Hub
& Dual Terminal
Secondary



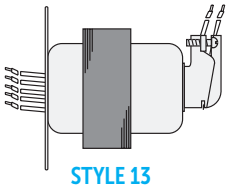
STYLE 10
Two End-Bell Openings,
& Foot Mount
with Circuit Breaker



STYLE 11
Two Side Openings
& Foot Mount



STYLE 12
Dual Hub
& Foot Mount
with Circuit Breaker



STYLE 13
90º Conduit Connector
& Mounting Plate
Opening

Transformers may be foot mount, hub mount, or both. Transformers with the hub mount option will have either a single threaded hub or dual threaded hubs. Several transformers are provided with a circuit breaker and many are Class 2. Pigtail wires are standard on most models and are typically 8.00˝ in length. [1]

All transformers utilize split-bobbin construction, making them inherently isolated. Custom transformers are also available (contact Functional Devices, Inc.).

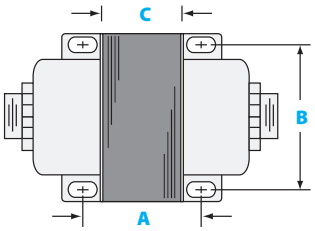
Frequency: 50/60 Hz
Hub Style: .5˝ NPT Hub
Wire Length: 8˝ Typical with .5˝ Strip [1]
Operating Temperature: -30 to 140° F
Humidity Range: 5 to 95% (noncondensing)
MTBF: 100,000 Hours @ 77° F
Construction: Split-Bobbin
Approvals: CE approved, RoHS. See charts for UL approvals.

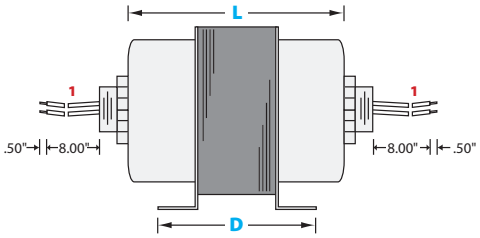
1 = TR40VA022 = 8˝ Primary, 30˝ Secondary, with .5˝ Strip
TR50VA019 = 28˝ Typical with .5˝ Strip
TR100VA002-20 = 8˝ Primary, 20˝ Secondary, with .5˝ Strip

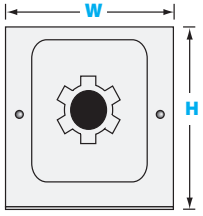
Instructions inside product box include wire colors/voltages.

Additional information on voltage and wire colors is available on individual data sheets on website.

Dimensions: See charts.







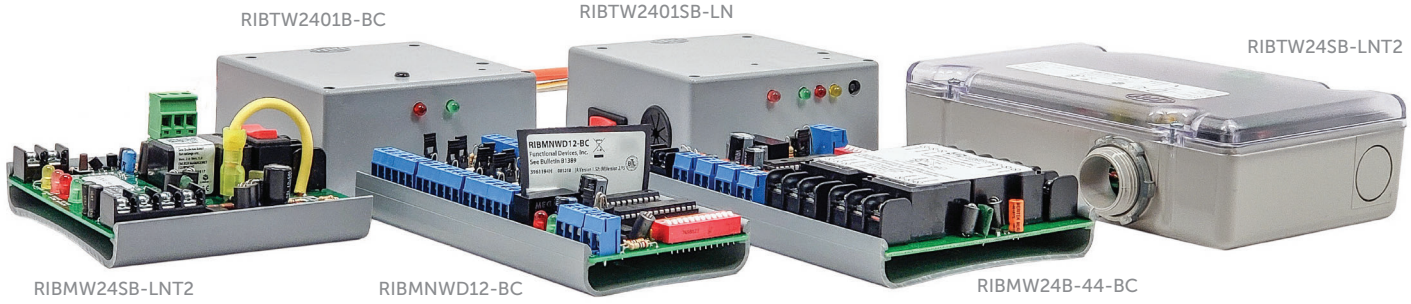
For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

TRANSFORMERS: 20-375 VA

MODEL #	UL	VA RATING	STYLE	OVER CURRENT PROTECTION	CLASS 2	PRIMARY VOLTAGE (VAC)	SEC. VOLTAGE (VAC)	FOOT MOUNT	HUBS	L	W	H	A	B	C	D	SHIPPING WEIGHT
TR20VA001	•	20VA	1	Inherent	•	120	24	•	1 Threaded	2.226″	1.877″	2.595″	1.612″	1.619″	1.013″	2.125″	1.331 lb.
TR20VA002	•	20VA	4	Inherent	•	208	24	•	2 Threaded	2.296″	1.902″	2.616″	1.604″	1.665″	1.020″	2.114″	1.363 lb.
TR20VA003	•	20VA	1	Inherent		24	24	•	1 Threaded	2.272″	1.900″	2.628″	1.635″	1.686″	1.023″	2.153″	1.370 lb.
TR20VA004	•	20VA	4	Inherent	•	277/240/208/120	24	•	2 Threaded	2.310″	1.890″	2.625″	1.540″	1.625″	1.000″	2.100″	1.422 lb.
TR20VA007	•	20VA	1	Inherent	•	277	24	•	1 Threaded	2.302″	1.895″	2.607″	1.608″	1.685″	1.019″	2.107″	1.337 lb.
TR40VA001	•	40VA	1	Inherent	•	120	24	•	1 Threaded	2.607″	2.169″	2.906″	2.020″	1.786″	1.204″	2.545″	1.952 lb.
TR40VA002	•	40VA	4	Inherent	•	120	24	•	2 Threaded	2.634″	2.177″	2.886″	2.007″	1.775″	1.206″	2.564″	1.980 lb.
TR40VA003	•	40VA	1	Inherent	•	24	24	•	1 Threaded	2.653″	2.171″	2.882″	2.033″	1.779″	1.185″	2.580″	2.018 lb.
TR40VA004	•	40VA	4	Inherent	•	277/240/208/120	24	•	2 Threaded	2.631″	2.177″	2.882″	1.998″	1.774″	1.189″	2.553″	2.127 lb.
TR40VA013	•	40VA	2	Circuit Brkr.		480/277/240/208	120	•	1 Threaded	3.267″	2.505″	3.000″	1.699″	1.986″	1.114″	2.325″	2.588 lb.
TR40VA015	•	40VA	1	Internal Thermal	•	240/208/120	24	•	1 Threaded	2.628″	2.175″	2.907″	2.040″	1.780″	1.188″	2.590″	2.331 lb.
TR40VA022 #	•	40VA	4	Inherent	•	120	24	•	2 Threaded	2.660″	2.172″	2.891″	1.980″	1.786″	1.201″	2.526″	2.070 lb.
TR40VA040 ^	•	40VA	9	Internal Thermal	•	240/208/120	24	•	1 Threaded	2.728″	2.171″	2.890″	1.995″	1.792″	1.215″	2.550″	2.315 lb.
TR50VA001	•	50VA	1	Fuse	•	120	24	•	1 Threaded	2.677″	2.178″	2.879″	2.109″	1.793″	1.253″	2.664″	2.132 lb.
TR50VA002	•	50VA	4	Fuse	•	120	24	•	2 Threaded	2.696″	2.181″	2.908″	2.053″	1.788″	1.278″	2.614″	2.186 lb.
TR50VA003	•	50VA	4	Fuse	•	240/208	24	•	2 Threaded	2.695″	2.181″	2.899″	2.082″	1.778″	1.294″	2.646″	2.219 lb.
TR50VA004	•	50VA	5	Circuit Brkr.	•	480/277/240/120	24	•	2 Threaded	3.475″	2.513″	3.014″	1.858″	1.970″	1.291″	2.490″	2.840 lb.
TR50VA005	•	50VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	3.489″	2.515″	3.008″	1.870″	1.971″	1.294″	2.463″	2.730 lb.
TR50VA006	•	50VA	1	Fuse	•	277	24	•	1 Threaded	2.763″	2.182″	2.898″	2.135″	1.790″	1.322″	2.698″	2.164 lb.
TR50VA007	•	50VA	4	Fuse	•	277	24	•	2 Threaded	2.715″	2.173″	2.886″	2.148″	1.784″	1.276″	2.661″	2.227 lb.
TR50VA008	•	50VA	5	Circuit Brkr.		480/277/240/208	120	•	2 Threaded	3.440″	2.510″	3.012″	1.932″	1.945″	1.346″	2.523″	2.866 lb.
TR50VA009	•	50VA	5	Circuit Brkr.	•	240/208/120	24	•	2 Threaded	3.412″	2.504″	3.014″	1.864″	1.961″	1.313″	2.485″	2.842 lb.
TR50VA014	•	50VA	2	Circuit Brkr.	•	277	24	•	1 Threaded	3.479″	2.509″	3.009″	1.873″	1.965″	1.285″	2.480″	2.743 lb.
TR50VA015	•	50VA	2	Circuit Brkr.	•	480/277/240/208/120	24	•	1 Threaded	3.405″	2.517″	3.013″	1.875″	1.985″	1.316″	2.484″	2.844 lb.
TR50VA016	•	50VA	2	Circuit Brkr.	•	240/208/120	24	•	1 Threaded	3.345″	2.510″	3.028″	1.842″	1.978″	1.325″	2.454″	2.804 lb.
TR50VA017	•	50VA	2	Circuit Brkr.	•	480/277/208	24	•	1 Threaded	3.470″	2.520″	3.031″	1.880″	1.872″	1.292″	2.460″	2.812 lb.
TR50VA018	•	50VA	13			480/277/240/208	120		1, 90˚ Conduit Connector, 1 Mounting Plate Opening	Refer to data sheet on website.							3.276 lb.
TR50VA019 #	ᵘˡ	50VA	11	Inherent	•	277/120	24	•	2 Side Openings	2.470″	2.170″	2.896″	1.850″	1.740″	1.130″	2.512″	2.026 lb.
TR75VA001	•	75VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	3.743″	2.506″	3.016″	2.256″	1.974″	1.711″	2.873″	3.558 lb.
TR75VA002	•	75VA	5	Circuit Brkr.	•	120	24	•	2 Threaded	3.890″	2.508″	3.013″	2.290″	1.952″	1.701″	2.882″	3.567 lb.
TR75VA003	•	75VA	2	Circuit Brkr.	•	277	24	•	1 Threaded	3.875″	2.507″	3.037″	2.269″	1.978″	1.684″	2.860″	3.576 lb.
TR75VA004	•	75VA	6	Circuit Brkr.	•	480/240/208/120	24	•	1 Threaded 1 Side Opening	3.802″	2.515″	3.050″	2.244″	1.990″	1.665″	2.850″	3.726 lb.
TR75VA005	•	75VA	2	Circuit Brkr.	•	480/240/208/120	24	•	1 Threaded	3.880″	2.515″	3.030″	2.270″	1.975″	1.700″	2.854″	3.724 lb.
TR75VA007	•	75VA	5	Circuit Brkr.	•	480/240/208/120	24	•	2 Threaded	3.883″	2.504″	3.034″	2.287″	1.981″	1.708″	2.887″	3.727 lb.
TR100VA001	•	96VA	2	Circuit Brkr.	•	120	24	•	1 Threaded	4.085″	2.515″	3.030″	2.486″	1.975″	1.900″	3.082″	3.984 lb.
TR100VA002	•	96VA	5	Circuit Brkr.	•	120	24	•	2 Threaded	4.077″	2.504″	3.023″	2.470″	1.975″	1.888″	3.095″	4.010 lb.
TR100VA002-20 #	•	96VA	5	Circuit Brkr.	•	120	24	•	2 Threaded	3.973″	2.518″	3.033″	2.486″	1.865″	1.924″	3.060″	4.082 lb.
TR100VA004	•	96VA	5	Circuit Brkr.	•	480/277/240/120	24	•	2 Threaded	4.173″	2.523″	3.041″	2.647″	1.976″	2.086″	3.268″	4.524 lb.
TR100VA005	•	96VA	2	Circuit Brkr.	•	480/277/240/120	24	•	1 Threaded	4.258″	2.510″	3.030″	2.670″	1.968″	2.065″	3.260″	4.496 lb.
TR100VA008	•	96VA	5	Circuit Brkr.		480/277/240/208	120	•	2 Threaded	4.220″	2.525″	3.022″	2.690″	1.970″	2.082″	3.272″	4.313 lb.
TR100VA009	•	96VA	5	Circuit Brkr.	•	480/277/240/208/120	24	•	2 Threaded	4.270″	2.500″	4.060″	2.750″	1.975″	2.000″	2.252″	4.524 lb.
TR100VA015	•	96VA	2	Circuit Brkr.	•	480/277/240/208/120	24	•	1 Threaded	4.270″	2.500″	4.060″	2.699″	2.030″	2.065″	2.252″	4.524 lb.
TR150VA001	•	150VA	3	Circuit Brkr.		120	24	•	1 Threaded	3.650″	3.800″	3.183″	2.560″	3.150″	1.438″	3.514″	5.073 lb.
TR150VA002	•	150VA	5	Circuit Brkr.		120	24	•	2 Threaded	3.620″	3.785″	3.160″	2.568″	3.147″	1.456″	3.511″	5.157 lb.
TR150VA008	•	150VA	12	Circuit Brkr.		480/277/240/208	120	•	2 Threaded	4.283″	3.786″	3.161″	3.211″	3.260″	2.116″	4.177″	7.158 lb.
TR175VA001	•	175VA	7			240/208	24	•	2 Bottom Openings	3.801″	3.790″	3.163″	3.264″	3.141″	2.151″	4.197″	6.980 lb.
TR175VA002	•	175VA	4			120	24	•	2 Threaded	3.800″	3.790″	3.189″	3.220″	3.150″	2.100″	4.180″	7.047 lb.
TR175VA003	•	175VA	1	Thermal Fuse on Primary		120	24	•	1 Threaded	4.030″	3.786″	3.161″	3.189″	3.155″	2.127″	4.153″	6.935 lb.
TR240VA001	•	240VA	8			120	24	•	1 Threaded 1 Bottom Opening	3.957″	3.750″	4.530″	3.350″	3.180″	1.932″	4.025″	8.470 lb.
TR300VA002	ᵘˡ	300VA	10	Circuit Brkr.		480/240/208/120	24	•	2 End-Bell Openings	5.499″	3.750″	4.500″	3.859″	3.187″	2.526″	4.526″	11.568 lb.
TR375VA001	•	375VA	7			120	24	•	2 Bottom Openings	4.592″	3.747″	4.504″	3.933″	3.181″	2.516″	4.630″	11.120 lb.

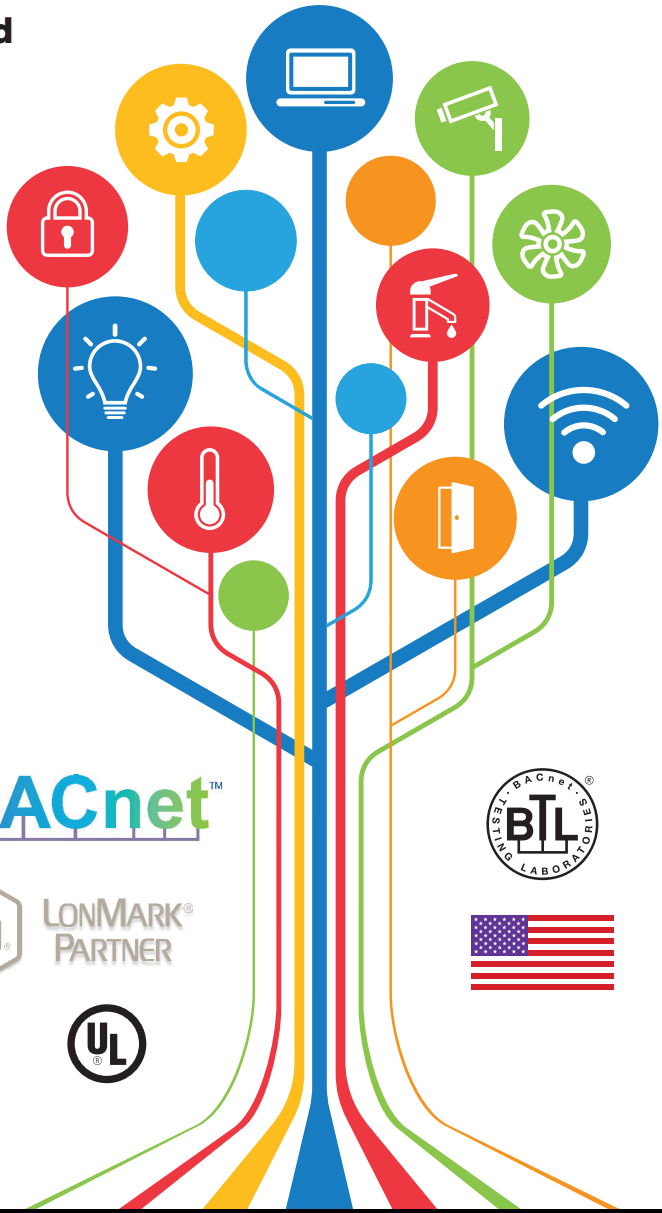
(UL) = UL Listed : UL5085-2 or UL5085-3 ; USA & Canada ᵘˡ = UL Component Recognized : UL5085-2 or UL5085-3 ; USA & Canada # = Refer to website for more wire length information ^ = Dual Terminal Secondary

For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.



INTELLIGENT FIELD DEVICES

Our Intelligent Devices can be hard wired and used instead of more expensive multi-output controllers when a few more control points are needed, and large controllers are too much for the job. They can also be used when control points are widely spread throughout the job site. These devices have been prepackaged to save the installer the time, trouble, and expense of buying separate components and assembling them on the job.



Product Features

- BACnet®, LonWorks®, Wi-Fi and Modbus protocols
- Analog input
- Analog output
- Binary output
- Binary input
- Thermistor inputs available
- On-board current sensors available
- Track mount and enclosed versions
- NEMA 4X available
- UL Listed

BACNET® DEVICES

Product Selection Guide. For full product information, see our website.

		POWER INPUT			CONTACT RATINGS											
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	DRY CONTACT BINARY INPUT	ANALOG INPUT	ANALOG OUTPUT	ACCUMULATOR INPUT	INTERNAL CURRENT SENSOR	PRECON® THERMISTOR INPUT	OVERRIDE SWITCH	TRACK MOUNT / HOUSING STYLE *	SHIPPING WEIGHT
RIBTW2401B-BC	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1						#	C	0.846 lb.
RIBTW2402B-BC	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1						#	C	0.864 lb.
RIBMNWX2401B-BC	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1				•		#	MT212-6	0.532 lb.
RIBTWX2401B-BC	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1				•		#	D	1.060 lb.
RIBMNWX2402B-BC	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1				•		#	MT212-6	0.532 lb.
RIBTWX2402B-BC	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1				•		#	D	1.092 lb.
RIBMNW24B-BCAI	•	24		1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	2	1				10kΩ Type 2 or 3	#	MT212-6	0.522 lb.
RIBTW24B-BCAI	•	24		1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	2	1				10kΩ Type 2 or 3	#	D	1.096 lb.
RIBTW24B-BCAO	•	24		1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1	1	1			10kΩ Type 2 or 3	#	D	1.040 lb.
RIBMNWD12-BCDI	•	24						12							MT212-6	0.512 lb.
RIBMNWD12-BC	•	24						12			2				MT212-6	0.540 lb.
RIBMW24B-44-BC	•	24		4 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	4						#	MT4-6	0.830 lb.

LONMARK® DEVICES

Product Selection Guide. For full product information, see our website.

		POWER INPUT			CONTACT RATINGS										
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	DRY CONTACT BINARY INPUT	ANALOG INPUT	INTERNAL CURRENT SENSOR	PRECON® THERMISTOR INPUT	OVERRIDE SWITCH	TRACK MOUNT / HOUSING STYLE *	SHIPPING WEIGHT
RIBTW2401B-LN	•	24	120	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1					C	0.823 lb.
RIBTW2402B-LN	•	24	208-277	1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1					C	0.820 lb.
RIBTW2401SB-LN	•	24	120	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1				1	C	0.840 lb.
RIBTW2402SB-LN	•	24	208-277	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1				1	C	0.804 lb.
RIBMNWX2401SB-LN	•	24	120	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			•		1	MT212-6	0.530 lb.
RIBTWX2401SB-LN	•	24	120	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			•		1	D	1.065 lb.
RIBMNWX2402SB-LN	•	24	208-277	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			•		1	MT212-6	0.538 lb.
RIBTWX2402SB-LN	•	24	208-277	1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac			•		1	D	1.024 lb.
RIBMW24SB-LNAI	•	24		1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1	1			1	MT4-4	0.500 lb.
RIBTW24SB-LNAI	•	24		1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1	1			1	D	1.027 lb.
RIBMW24SB-LNT2	•	24		1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1			10kΩ Type 2	1	MT4-4	0.476 lb.
RIBTW24SB-LNT2	•	24		1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1			10kΩ Type 2	1	D	1.020 lb.
RIBMW24SB-LNT3	•	24		1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1			10kΩ Type 3	1	MT4-4	0.476 lb.
RIBTW24SB-LNT3	•	24		1 SPST	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	1			10kΩ Type 3	1	D	1.056 lb.

MODBUS DEVICES

Product Selection Guide. For full product information, see our website.

		POWER INPUT		CONTACT RATINGS									
MODEL #	UL	AC/DC	AC	RELAY CONTACTS	RESISTIVE	MOTOR	PILOT DUTY	DRY CONTACT BINARY INPUT	ANALOG INPUT	PRECON® THERMISTOR INPUT	OVERRIDE SWITCH	TRACK MOUNT / HOUSING STYLE *	SHIPPING WEIGHT
RIBMNW24B-MBAI	•	24		1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	2	1	10kΩ Type 2	#	MT212-6	0.532 lb.
RIBTW24B-MBAI	•	24		1 SPDT	20 A @ 277 Vac	2 HP @ 277 Vac	1,110 VA @ 277 Vac	2	1	10kΩ Type 2	#	D	1.074 lb.

(UL) = UL Listed : UL916 Energy Management; USA & Canada

(UL) = UL Component Recognized : UL916 Energy Management; USA & Canada

= Coil Side Relay Override (requires unit to be powered)

* = See Housing Guide

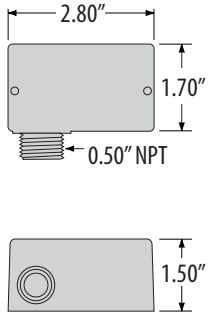
^ = Track mount included

Precon® is a registered trademark of Kele and Associates.

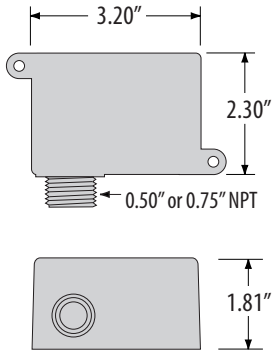
For full product information, see data sheets on website. Shipping weights are approximate and may change due to packaging options.

HOUSING GUIDE

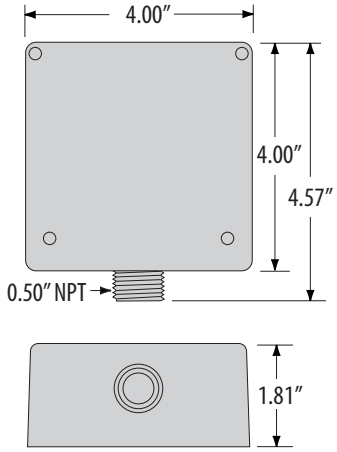
HOUSING A



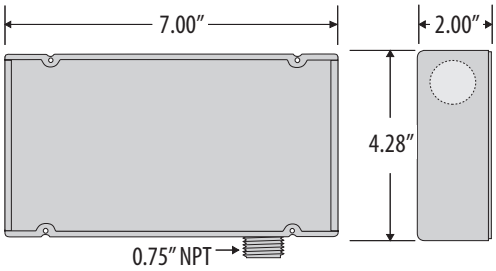
HOUSING B



HOUSING C

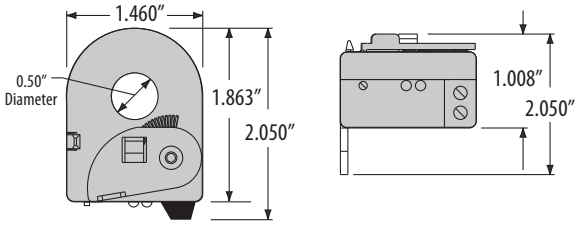


HOUSING D

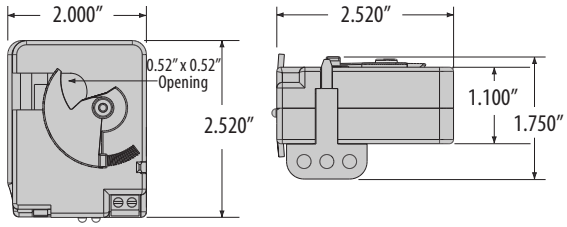


RED ("-RD") **and NEMA 4** ("-N4")
HOUSINGS AVAILABLE.
See our website for details.

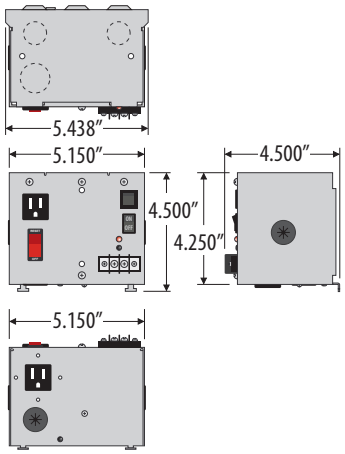
SOLID CORE CURRENT SENSOR



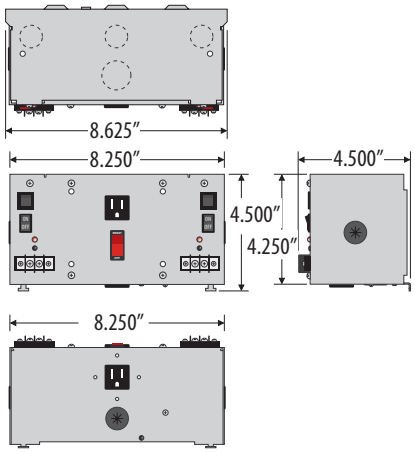
SPLIT CORE CURRENT SENSOR



SINGLE POWER SUPPLY



DUAL POWER SUPPLY



RELAYS | CURRENT SENSORS | POWER SUPPLIES | INTELLIGENT FIELD DEVICES | TRANSFORMERS | POWER MONITORING

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