Functional Devices, Inc.
101 Commerce Drive
Sharpsville, IN 46068
Confidence & Peace of Mind in Every Box™

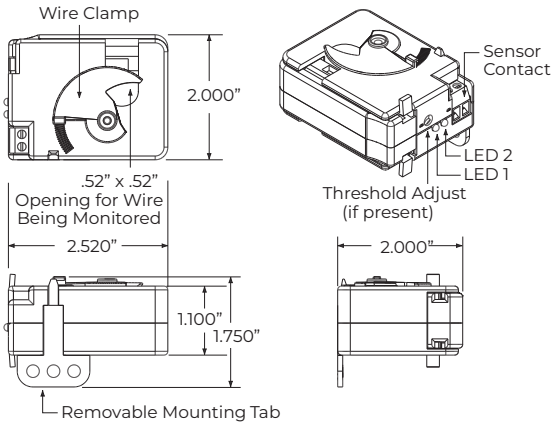
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10 YEAR WARRANTY

AC CURRENT SWITCHES

RIBXG SERIES

Current Switches, Split Core, Fixed, Adjustable, or Self-Calibrated,
Up to 150 Amps Sensing Range, Terminal Strip or Wire Lead Output

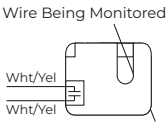


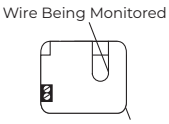


RIBXGA



RIBXGTF





SPECIFICATIONS

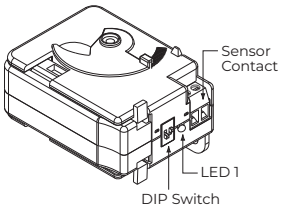
Operating Temperature	-30 to 140° F
Humidity Range	5 to 95% (noncondensing)
Max Sense Voltage	600 Vac
Max Switching Current	.4 Amps Max
Switching Voltage Range	30 Vac/dc
Mounting/Installation	Removable mounting tab provided. The wire clamp locks against the wire being monitored, securing the unit in place.
Sensor Contact	Solid State Switch SPST 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
Sensor Contact Status	Current below threshold: Open Current above threshold: Closed
Origin	Made of US and non-US parts
Approvals	UL Listed, C-UL, CE, RoHS, UL916 (All models) UL864, California State Fire Marshal (RIBXGTF, RIBXGTA, RIBXGTA-SCAL, RIBXGA-ECM)

SELF-CALIBRATING SWITCHES (-SCAL MODELS)

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.

-SCAL LED TABLE

LED Off	No Current
2 Winks	Current Below Range
3 Winks	Current In Range
4 Winks	Current Above Range
Conitinuous Winks	Calibration In Progress



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.

SELECTION GUIDE

Model #	Sensing Range	Threshold	Sensor Contact Termination	LED 1	LED 2
RIBXGF	.35-150 Amp	Fixed, .35 Amp	Wht/Yel 16˝ 18 AWG Wire Leads		
RIBXGFL	.75-150 Amp	Fixed, .75 Amp	Wht/Yel 16˝ 18 AWG Wire Leads	Over Trip Point	
RIBXGTF	.35-150 Amp	Fixed, .35 Amp	Terminal Strip, Accepts #14-22 AWG Wire		
RIBXGTFL	.75-150 Amp	Fixed, .75 Amp	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	
RIBXGA	.75-150 Amp	Adjustable	Wht/Yel 16˝ 18 AWG Wire Leads	Over Trip Point	Under Trip Point
RIBXGTA	.75-150 Amp	Adjustable	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Under Trip Point
RIBXGA-SCAL	3-150 Amp	Self-Cal.	Wht/Yel 16˝ 18 AWG Wire Leads	See -SCAL Table	
RIBXGTA-SCAL	3-150 Amp	Self-Cal.	Terminal Strip, Accepts #14-22 AWG Wire	See -SCAL Table	
RIBXGTA-ECM	.25-150 Amp	Adjustable	Terminal Strip, Accepts #14-22 AWG Wire	Over Trip Point	Load Current Detected