

Features

- **Broad Range of Options to Meet Application Needs**—Mechanical relays, normally energized or normally de-energized contacts
- **Setpoint Options Maximize Ease-of-Use and Application Flexibility**—Field selectable 5, 10 or 30 mA setpoints on the EGFL “tri-set” models make user adjustments fast, sure and convenient
- **Compatible with Standard Equipment**—Application on single- and three-phase systems, ideal for use with shunt trip breakers, and magnetically isolated from monitored circuit and control power
- **Agency Approved**—UL and CE Certified, accepted worldwide

Standards and Certifications

- UL Approved
- UL 1053, Class 1 Recognized
- CE
- cULus




⚠ DANGER

THIS SENSOR IS NOT A SAFETY DEVICE AND IS NOT INTENDED TO BE USED AS A SAFETY DEVICE. This sensor is designed only to detect and read certain data in an electronic manner and perform no use apart from that, specifically no safety-related use. This sensor product does not include self-checking redundant circuitry, and the failure of this sensor product could cause either an energized or de-energized output condition, which could result in death, serious bodily injury, or property damage.

Product Selection

EGFL Series CurrentWatch Current Sensors

Mechanical Relay Sensors

	Power Supply	Setpoint	Output Type	Contacts	Catalog Number
Solid-Core Housing 	Solid-Core Housings				
	120 Vac	Tri-set adjustable, 5, 10 or 30 mA	Mechanical relay, NO SPST relay, Form A	Latching relay	EGFL1NOLAT3
			Mechanical relay, NC SPST relay, Form B	Latching relay	EGFL1NCLAT3
			Mechanical relay, SPDT Form C, auto-reset	Normally energized	EGFL1SPDTNET3
	24 Vac/dc	Tri-set adjustable, 5, 10 or 30 mA	Mechanical relay, SPDT Form C, auto-reset	Normally de-energized	EGFL1SPDTDET3
			Mechanical relay, NO SPST relay, Form A	Latching relay	EGFL2NOLAT3
			Mechanical relay, NC SPST relay, Form B	Latching relay	EGFL2NCLAT3
			Mechanical relay, SPDT Form C, auto-reset	Normally energized	EGFL2SPDTNET3
			Mechanical relay, SPDT Form C, auto-reset	Normally de-energized	EGFL2SPDTDET3

Technical Data and Specifications

EGFL Series CurrentWatch Current Sensors

Description	Specifications
Power supply	120 Vac (55–110% of nominal voltage) 24 Vac/dc (± 20%)
Output signal	Mechanical relay
Output rating	Auto reset models, SPDT relay: 1A at 125 Vac; 2A at 30 Vdc Latching models, SPST relay: 1A at 125 Vac; 2A at 30 Vdc
OFF-state leakage	None
Response time	200 ms at 5% above trip point 60 ms at 50% above trip point 15 ms at 500% above trip point
Frequency range	50–400 Hz (monitored circuit)
Loading	2VA max.
Isolation voltage	5000 Vac (tested)
Sensing aperture	1.83 in (46.5 mm) diameter
LED indicator	Green LED for power ON status Red LED for contact status
Housing	UL94 V0 flammability rated
Environmental	Operating temperature: –4° to +122°F (–20° to +50°C) Humidity: 0–95% RH, non-condensing