

LITTELFUSE SINGLE & THREE-PHASE PUMP PROTECTION



Why Choose Littelfuse to Protect Your Pumps

Littelfuse is an industry leader in UL fuses, time delay relays, single and multifunction relays, liquid level controllers, and ground-fault monitors. With more than 200,000 pump protection relays installed globally, Littelfuse is proud to provide high-quality products, deep technical expertise, and superior customer support.

Contact us to speak to an application expert and find the best solution for your pump protection needs.

Key Markets

- Agriculture
- Residential
- Commercial
- Construction
- Industrial
- Mining
- Municipal
- Oil & Gas
- Solar

FEATURES	BENEFITS
Current-Based Protection	Protects pumps from dry-well, dead-head, jammed impeller, and overload conditions.
Voltage-Based Protection	Protects pumps from unhealthy power supply conditions such as over and under voltage, rapid cycling, and loss of phase.
Ground-Fault Ground-Check Protection	Ground-Fault protection detects phase-to-ground faults and Ground-Check protection ensures the pump body remains properly grounded to eliminate hazardous voltages during a ground fault.
Communications	Allows remote access to metering and time-and-date stamped fault records to assist in troubleshooting. Bluetooth communications (MP8000) provides a simple method for local communications with common handheld device.

Littelfuse Product	System Voltage	HP Range	Single Phase	Three Phase	Current Measurement Method	Current-Based Protection	Voltage-Based Protection	Ground Fault Protection	Ground Check Protection	Communications
111-Insider-P	115 V ac	1/3 –1/2 HP	•		In Series	•	•			Infrared
111P	115 V ac	1/3 –1 HP	•		In Series	•	•			Infrared
231-Insider-P	230 V ac	1/3 –1 HP	•		In Series	•	•			Infrared
233P/233P-ENCL	230 V ac	1/3 –3 HP	•		In Series	•	•			Infrared
235P/235P-ENCL	230 V ac	5 –15 HP	•		External CT	•	•			Infrared
MP8000	90–690 V ac	1/3 –100+ HP	•	•	Integrated CT	•	•	•		Bluetooth & Remote
SE-105	< 5 kV ac	1/3 –100+ HP	•	•	External CT			•	•	No

Accessories



Informer

A hand-held diagnostic tool that uses an infrared receiver to access information which can be helpful for troubleshooting the system. Includes the Informer IR Kit-12.



Informer IR Kit-12

12" infrared adapter cable that attaches to the face of the unit to provide remote diagnostics without opening the panel. Included with the Informer.