

# INFORMER

Remote diagnostic tool for use with single-phase pump relays



## Description

The Informer is a hand-held diagnostic tool designed for use with single-phase models equipped with infrared LED transmitters (111-Insider-P; 231-Insider-P; 232-Insider; 111P; 233P; 233P-1.5; 234-P and 235P).

The Informer uses an infrared receiver to access information sent from the relay which can be helpful for troubleshooting the system.

Each Littelfuse single-phase model listed above is equipped with an infrared LED that transmits valuable information from the device. To retrieve this information, the Informer's receiver must be directed toward the unit's LED transmitter and be within 8 feet of the unit. The green COMM STATUS light indicates when the Informer is receiving data from the unit. If communication is lost, the Informer will display the last values it received. The Informer will automatically shut off after two minutes of non-use.

An infrared adapter (IR Kit-12) is included with all new and updated Informers. This adapter allows communication with the unit without opening the panel door (for select models).

## Specifications

### Functional Characteristics

<b>Power</b>	
<b>Input</b>	9 Volts dc (requires one 9-volt alkaline battery)
<b>Auto Shut-off</b>	2 minutes
<b>Communication</b>	
<b>Signal</b>	Infrared
<b>Range</b>	1-8 ft. (approx. 0.25 ft. when using IR Kit)
<b>Data Update</b>	4 seconds
<b>General Characteristics</b>	
<b>Temperature Range</b>	0 °C to 60 °C (32 °F to 140 °F)
<b>Accuracy</b>	
<b>Voltage</b>	±2 %
<b>Current</b>	±2 %
<b>Power</b>	±4 %
<b>Maximum Input</b>	0.25 W
<b>Resolution</b>	
<b>Voltage</b>	1.0 V ac
<b>Display</b>	Liquid crystal
<b>Size</b>	2 rows x 16 characters
<b>Keypad</b>	Three 0.5" diameter buttons
<b>Mechanical Life</b>	100,000 actuations min.
<b>Overlay Material</b>	Polyester
<b>Enclosure</b>	
<b>Dimensions</b>	<b>H</b> 139.70 mm (5.50"); <b>W</b> 91.44 mm (3.60"); <b>D</b> 28.70 mm (1.13")
<b>Weight</b>	0.375 lb. (6 oz., 170.10 g) (w/out battery); 0.70 lb. (11.2 oz., 317.51 g) (total package)
<b>Material</b>	Black ABS 94HB

## Features & Benefits

The Informer displays:

- Model number
- Real-time voltage, current, and power
- Drywell and overload trip points
- Calibration voltage
- Restart delay setpoint and restart delay time remaining
- CT size (if applicable)
- Number of pump starts
- Total run-time
- Fault history for last 20, most recent, faults
- Voltage, current, power, and run-time for each fault at time of the fault
- Highest and lowest voltage and current since last calibration

## Accessories



### Informer IR Kit-12

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

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