

LEM Local Environment Monitor

Designed to continuously monitor critical conditions and variables not monitored by other OMNI-4000 modules

The Local Environment Monitor works with OMNI-Site Watcher to continuously monitor critical conditions at your site and notify OMNI-4000 of any alarm conditions. Using multiple Local Environment Monitors, you can monitor conditions in every room or zone at your site.

The LEM automatically monitors its supply voltage and comes with 11 monitoring inputs: 6 digital, 4 analog, and 1 pulse counter. These inputs allow you to customize your monitoring system to monitor virtually anything you want.



Input type	Number	Uses
Analog inputs	4	'Variable condition' monitoring such as temperature, humidity, or pH
Digital inputs	6	'On/off' or 'open/closed' monitoring such as door contacts, pressure switches, or power failure
Pulse counter	1	'Count monitoring' such as electrical pulses from water meters

The Local Environment Monitor comes with a 30-foot temperature probe for monitoring outdoor or ambient temperatures. Additional sensors and probes are available; see below for more information.

Features

- ◆ 11 customizable monitoring inputs
- ◆ Alarm relay
- ◆ Easy installation
- ◆ Temperature probe with 30-foot cable
- ◆ Rugged enclosure (corrosion resistant, water resistant, and fire retardant)
- ◆ Two-year limited warranty

Electrical ratings

- ◆ Input:
 - ◆ 10 to 14 VDC
 - ◆ 100 mA
- ◆ Alarm relay:
 - ◆ 0.2 A at 230 VAC
 - ◆ 0.4 A at 24 VAC
 - ◆ 2.0 A at 30 VDC

NOTE: One Phason Regulated Power Supply (RPS) can supply power for up to 11 LEMs.

Other requirements and information

- ◆ OMNI-4000 system and OMNI-Site Watcher module
- ◆ Communication cable: unshielded twisted pair (UTP), category 3 or higher
- ◆ Optional accessories include the Phase Detection Sensor (PDS-1), Power Loss Sensor (PLS-1), Relative Humidity Sensor (RHS), High Temperature Probe (HTP), and standard temperature probes.

For more information about the Local Environment Monitor, available accessories, or other Phason products, contact your dealer or visit www.phason.ca.

