

PDS-1 Phase Detection Sensor

Reliably detect phase loss in three-phase systems

Phason's Phase Detection Sensor (PDS-1) works with the Local Environment Monitor (LEM) and OMNI-Site Watcher to continuously monitor three-phase power.

The phase-monitoring relay has adjustable voltage (200 to 480 VAC), unbalance trigger (2 to 10 % variation), and trip delay (0.25 to 30 seconds) settings. When the voltage on a phase varies by more than the unbalance trigger percentage and for longer than the trip delay, the relay on the PDS-1 opens, signaling the Local Environment Monitor.

If the power stays off longer than the fault duration, the LEM signals the OMNI-4000 software that there is an alarm condition. If you have the OMNI-Alert alarm notification system installed and the alarm is set to active, OMNI-Alert dials the contacts on its call list and notifies them about the condition.

The PDS-1 is designed to monitor the power for a single line. Using multiple PDS-1s, you can monitor additional circuits, zones, or rooms at your site. You can connect up to six PDS-1s to a single LEM.



Features

- ◆ Easy installation in new or existing sites
- ◆ Phase monitoring relay
- ◆ General-purpose relay
- ◆ Mounting rail and sockets
- ◆ 90-day limited warranty

Electrical ratings

- ◆ Input: 200 to 480 VAC, 50/60 Hz
- ◆ Unbalance trigger: 2 to 10 %
- ◆ Trip delay: 0.25 to 30 sec

Other requirements and information

- ◆ The PDS-1 requires an OMNI-4000 system with the OMNI-Site Watcher module and a Local Environment Monitor.
- ◆ A Power Loss Sensor (PLS-1) is available for detecting power loss in 120 VAC, single-phase systems.

For more information about the PDS-1 or other Phason products and accessories, contact your dealer or visit www.phason.ca.

