

MODEL 002

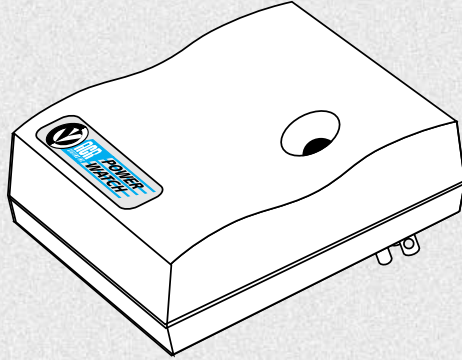
- ▶ Surges
- ▶ Sags
- ▶ Impulses
- ▶ Dropouts
- ▶ Outages
- ▶ Frequency Variations

Features

- Hot-Neutral; Neutral-Ground monitoring
- User-settable thresholds
- 4000 event memory
- No wiring, cables
- Safe operation
- Monitors as soon as it is plugged in
- Optically isolated interface cable
- Access data by modem

220/240V, 50/60 Hz Voltage Disturbance Recorder

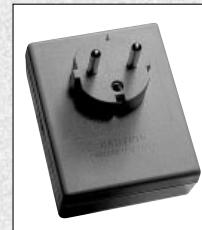
POWERWATCH is the easiest way to monitor and record essential voltage disturbance information from any 220/240 volt Australian, European, or U.K. power receptacle. Just setup your pre-determined disturbance threshold values or use the industry standard default values and plug it in. No wiring or dangerous connections required.



Australia receptacle.



United Kingdom receptacle.



Continental Europe receptacle.

Other receptacles available using adapters. See Accessories on page 42 for more information.

Product Specifications

Memory Size: 4,000 events.
Common Specifications: See page 12.
Software Specifications: See page 13.

Surge, Sag & Outage

| | Hot to Neutral | Neutral to Ground |
|-------------|-------------------------|----------------------------|
| Range: | 0 to 400 V rms | 0 to 50 V rms |
| Accuracy: | +/-2 V rms + resolution | +/- .25 V rms + resolution |
| Resolution: | 2 V rms | .25 V rms |

Impulse

| | Hot to Neutral | Neutral to Ground |
|------------------|---------------------------------|---------------------------------|
| Range: | 100 to 2500 V peak | 50 to 2500 V peak |
| Accuracy: | +/-10% of reading + resolution | +/-10% of reading + resolution |
| Resolution: | 10 V | 10 V |
| Width Detection: | 1 μ sec minimum | 1 μ sec minimum |
| Phase Angle | | |
| Accuracy: | +/-1° (20 to 180°; 200 to 360°) | +/-1° (20 to 180°; 200 to 360°) |
| Resolution: | 1° | 1° |

Frequency

Range: 45 to 65 Hz.
Accuracy: +/-0.1 Hz. (3 cycles minimum)
Resolution: 0.1 Hz.

Time

| Events (<1 sec) | Hot to Neutral | Neutral to Ground |
|-----------------|----------------|-------------------|
| Accuracy: | +/-0.5 cycle | +/-1 cycle |
| Resolution: | 0.5 cycle | 1 cycle |

Time-stamp (Events > 1 second):

Accuracy: +/-2 sec./day + resolution
Resolution: 8 seconds

Order Information

| MODEL | COMPATIBILITY | CATALOG # |
|-----------|----------------|-----------|
| PWV-002-A | Australia | 01-0205 |
| PWV-002-U | United Kingdom | 01-0200 |
| PWV-002-E | Europe | 01-0215 |