

GEIST™ POWER FAILURE SENSOR



Quick Installation Guide

Part Number:

PFS

Description

The Power Failure Sensor (PFS) is used to monitor voltage presence (grid/city power) on a circuit through the I/O ports of a remote environmental or power + environmental monitor. If voltage drops to zero, the monitored I/O reading drops below 10.

NOTE: To monitor the loss of 'grid-supplied' power, connect the PFS-100 directly to that power source **before** any UPS systems.

NOTE: In order to monitor and report the PFS signal state during a power loss, the remote monitoring unit itself, as well as any switches or routers within the data path of the unit, **must** be backed up by UPS power. If any of these units lose power during a power outage, appropriate remote alarm reporting cannot take place.

Installation

1. Using only an approved AC adaptor, plug the adaptor into the desired 'grid-supplied' power location. Do not plug the adaptor into the PFS-100 sensor body yet.
2. Route the sensor body wire with the two stripped ends to the remote monitoring unit. Connect the ends to the I/O port on the remote monitoring unit. The solid black wire connects to Common (-) and the striped black wire connects to the desired Input (1, 2 or 3).
3. Plug the approved AC adaptor into the PFS-100.

NOTE: During initial setup, one PFS-100 LED turns on and one flashes for approximately 35 seconds. After that time, a third

Geist™ Power Failure Sensor



Geist™ Power Adaptor Options

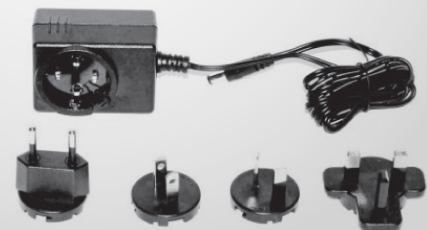
PFS-100 US



PFS-100 UK



PFS-100 UN



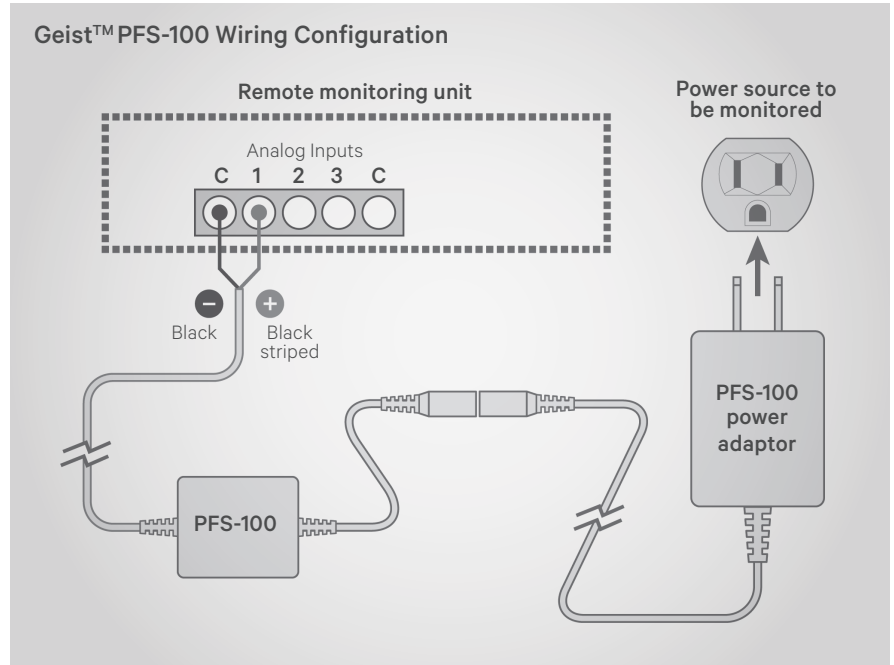
SPECIFICATIONS

Sensor	Input	Output
PFS-100	4.5-6 VDC	3.4-5 VDC

Power Adaptor	Input	Output
PFS-100 US, PFS-100 UK, PFS-100 UN	100-240 VAC 50/60 Hz	6 VDC

LED turns on and the flashing LED stays solid on, indicating that the sensor is ready.

4. Use the remote monitoring unit to test the sensor. With the PFS-100 plugged in, the I/O reading is >50. When the PFS-100 is unplugged or the circuit loses power, this value drops below 10.
5. On the remote monitoring unit, click the Configuration icon, change the sensor label and click Save. Complete this step before installing additional sensors.
6. As data is analyzed over time, you can determine steady state conditions and set alarms accordingly.



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