



Room Alert Power Sensor

Instructions For Installing The External Power Sensor

The Room Alert External Power Sensor is a power sensing device specially designed with additional electronics that allow it to interface with a Room Alert ID box. An attached power adapter connects it to the power circuit being monitored. The Power Sensor has a normal switch state of ‘closed’ which means that if the circuit opens then an alarm will be generated.

Connect the sensor cable to the two terminal blocks on the Power Sensor. Then, run the sensor cable to the Room Alert ID Box and connect the wire to the contacts for a single switch sensor. Next, connect the included power adapter to the input socket on the Power Sensor. Finally, plug the power adapter into the power source being monitored, normally a main power circuit or the input side of a primary UPS. With this configuration, an alarm will be generated if main power to the room is lost or disrupted.



To test the Power Sensor, turn off the power source or unplug the connected power adapter. Loss of power will be recognized by the Room Alert ID Box and it will generate an alarm condition or status. Managers should test the Power Sensor on a regular basis to ensure the Power Sensor is fully operational.

Sensor cable can be any low voltage cable such as bell wire, speaker cable, data cable or telephone cable. Minimum voltage insulation 50v, minimum current carrying capacity 1A. Maximum recommended length is approximately 100' although shorter lengths will yield more reliable performance and distances up to 900' are possible. Test your setup to ensure proper operation.

IMPORTANT SAFETY NOTICE

The Screw Connectors On The Sensor ID Boxes Are Volt-Free Contacts Only. Do Not Connect These Terminals To Any Live Circuit. A Qualified Electrician Should Be Consulted To Test Any Wires You Connect To The Room Alert ID Box For The Presence Of Electrical Voltages And If Any Are Detected, They Must Not Be Wired To The ID Box. The ID Box May Become Dangerous If You Connect It To A Live Circuit. Never Connect Main Power To Any Of The Room Alert Sensors Unless Specifically Instructed To Do So Using The AVTECH Software 5V Power Adapter. If Required, An AVTECH Software 5V Power Adapter Will Be Included With That Sensor. DO NOT Use Switch Sensors In 'Explosive' Environments Unless Approved For Those Environments.