

Technical Information

OMNIManager

A full browser based software suite giving you total control over your device. Works on all windows and apple OS, compatible with Chrome, Firefox, and Safari.

Real Time Ground Status Remote Access
Report Logs VTR Control

Full Networking Suite Event Triggers Relay
Triggers Alert Responders

Data Logging & Reporting

The OMNIGND supports storage of event logs; including time and date, port ID and resistance level.

Time and Date Port ID Port Status

Event Triggers Resistance Level Port
Calibration

Auto Alerts

Configurable to send email alerts on port status and power status.

Alert Port Failure Alert Port Back to Stable
Includes Unit Name & Descriptio

Includes Port Name & Description High Fault
Resistance/Status Low Fault Resistance/Status

VTR Technology

The power is all yours. With Variable Test Resistance technology, control all device settings to fit your EPA and your structure.

Unique Device Name Individual Port Naming
Field Descriptions Port Control On/Off Relay
Delay

VTR Fail Low (as low as 1Ω (ohm)) VTR Fail
High (as high as 20M) Port Triggers Port
Events (email/relay connect) Port Alarm

Ground Monitoring

Finally, measure and view actual resistance in real-time over the ground path. Monitor tools, ground critical equipment, capital equipment such as pick and place machines, bench grounds, electronic jigs and more.

8 Monitored Ports OMNIGND for Verified
Ground Path Displays Actual Resistance All
Ports Configurable Shelving Ionization Pick and
Place Machines

Ground Critical Equipment Carts Matting Tools
e.g. Soldering Stations Fail Low Limit 1Ω (ohm)
Fail High Limit 20M

Grounding Hub

A known and verified grounding point for all of your benchtop devices and ground critical applications.

6 Banana Jacks 5 Ring Terminals

Unlimited Amount of Ring Terminal Grounds
Solid Aluminum Block

Safety Features

Audible Buzzers Auto email on event

Configurable by Port Visible LCD Color Coded
Alerts

LCD Display

An intuitive tri-colored display, unique in the function that interacts with monitored ground status.

Wide 2.75" x 1.5" Screen Tri-Color LCD Blue:
Passive Mode Green: Data Logging Red:
Ground Failure Displays Monitored Resistance

Port Name (Ground Name) Port Status
Network Status TCP/IP Information Calibration
Range Event Count

Ports & Connections

RJ11 Serial Connector RJ45 Ethernet
Connector (2) Relay Ports

(8) Data Ports Aluminum Grounding Hub 12V
Power Jack DC/100mA

Relays

Interact with TTL equipped devices. Ability to shut equipment off or on, switch alarms, trigger lights and gates on alert events.

TTL Communication On/Off Functionality
Switching Capacity 1A 30V DC Power Limit
Under 30V Current Limit Under 1A Voltage 30V
DC

2 Relay Terminals, Screw Type Recommended
Wire Size 12AWG @ 0-13' Recommended
Wire Size 10AWG @ 13'-22' Configurable
Relay Delay

Networking

MAC Address Host Name DHCP IP Address

Gateway Subnet Primary DNS Secondary DNS

Size

5.5" x 4" x 1.38" (w/Stand 2.24")
13.97cm x 10.16cm x 3.51 (w/Stand
5.69cm)

What's in the Box

1 B92700 OMNIGND Unit 1 Mounting Bracket
1 12V DC Power Cord

1 Ground Cord 1 Ethernet Cable 1 USB Cable