

In-Line Power Monitor and Remote On/Off Controller

Update existing power strips with this power analyzer. Know amps, watts and volts. Use a web browser to reboot either

This compact box can upgrade an existing power strip to have complete power monitoring and remote-controlled individual receptacle on/off control. The Egg can be used as a stand-alone monitor or as a web accessed device.

A backlit LCD continuously shows labels and values using a rolling display. Attached to a Weather Goose or compatible Climate Monitor, the power data is graphed, logged, web accessed, and a variety of alarms can be set. Up to 16 Power Eggs can be monitored by a WeatherGoose.

The information below is provided by the Egg II:

Voltage: 85 - 250vac (RMS), 50 - 60Hz, auto ranging.

Current: 0 - 15 amps (RMS), power cord rating. Relays rated at 12amps each.

Peak Voltage: Maximum instantaneous Zero-to-Peak voltage since last read by Weather Goose logger, typically 60 seconds.

Maximum Voltage: Maximum RMS voltage since last polled by Weather Goose logger, typically 60 seconds.

Minimum Voltage: Minimum RMS voltage since last polled by Weather Goose logger, typically 60 seconds (typically used for brownout detection).

Power Factor: Relationship between voltage sine wave and current sine wave. 1.00 indicates a purely resistive load, any value less indicates a reactive load and the corresponding loss of efficiency. Value displayed is the cosine of the phase difference of voltage and current.

Watts (Real Power): 1.5 second integration of the product of instantaneous volts times instantaneous current.

VA (Apparent Power): Voltage (RMS) times Current (RMS).

kWhr (Kilowatt-Hours): A non-resettable running total of Watts multiplied by time and divided by 1000. Up to 65,535 kWhr can be measured before the counter rolls through zero and starts over.

Whr (Watt-Hours): A non-resettable running of Watt-hours (up to 999). Total energy used is kWhrs plus Whrs.

Other specifications:



16 amps can be monitored and controlled with the PowerEgg II. A 5-15 connector is standard, others are available. A Weather (or Super) Goose is required for remote control.

Individual Relay Amperage: continuous 12 amps, 16 amps starting load for 3 seconds. Total current is limited to 15 amps by plug type. Other plugs are available such as the L5-15.

Indicator Lamps: On/Off for each receptacle.

Receptacle Type: NEMA 5-15.

Plug Type: NEMA 5-15.

Relay Native State: Normally On. If power is lost and restored, the relay reverts to On. A web command can return the relay to Off.

Security: Three levels of password protection are available via the Weather Goose or Super Goose.

Connection to WeatherGoose: Dual RJ-11 type connectors using Cat 3 cable or equivalent. Aggregate cable length of 600' can generally be used. Six conductor non-crossover splitters can be used.

Model Codes: PwrEgg II - 5-15.
PwrEggII - L5-15

Multiple Power Eggs can be daisy-chained together using the two RJ-11 receptacles via Cat 3 wire. The signalling method used is Dallas "1-wire" which is used on a variety of other remote sensors on the WeatherGoose or compatible devices.