ZoneGuardian

Ultimate surge protection for power, telecom and LAN/WAN networks

- **Patented five stage hybrid technology**

- **Unlimited customer configurable expansion**

- **$25,000 lifetime connected equipment warranty**

- **Compatible with CPP snap-in communication port protection modules**

- **UL 1449 Listed**

The ZoneGuardian Series is fully configurable and designed to provide the highest degree of power protection available combined with superior protection for computer LAN and WAN networks. The ZoneGuardian is available as 3 outlet plug-in, 3 outlet power strip, or 7 outlet power strip. The 3 outlet plug-in unit plugs directly into the wall socket, while the 3 and 7 outlet power strips plug in via a power cord.

The ZoneGuardian Series provides exceptional power protection and when coupled with the CPP (communication port protection) modules, this amazing device also protects your telecom, LAN, data, and/or coax applications. The snap-in feature of the CPP modules allows for the easy addition or reconfiguration of your solution to suit your changing technological needs - simply snap in a new CPP module as required. CPP telecom modules are available with RJ11, RJ48S, RJ48C and terminal strip connector types. Network protection CPP modules are supplied with terminal strip, RJ45, TwinAx or BNC connectors depending on the application. Coaxial applications are served by BNC or F-type coaxial connectors.

The 64kA rated ZoneGuardian incorporates fail-safe protection through both in-line thermal and short circuit fusing. The critical grounding connection achieves a common reference for both the surge protection and communication protection modules, eliminating the most common surge protection installation error.

AC Power Protection

Specification

All figures typical at 77°F (25°C) unless otherwise stated

Maximum surge current
  64kA
Load current
  12 Amps
Working voltage
  125V
Let-through voltage
  230V
UL 1449 rating
  330 volts between ALL lines (L-N, L-G, N-G)
Joule rating
  740 joules
Max. power
  1875W
Response time
  Instantaneous
Dimensions
  See figure 1

To order specify –

  ZG42003 3 outlet plug-in
  ZG43005 3 outlet power strip
  ZG43006 7 outlet power strip

Protection modules as per the part numbers listed in the specification table to the right.

Model	Type	Outlets	Maximum surge current (kA)	Working voltage (V)	Let-through voltage (V)
ZG42003	AC plug-in	3	64	120	230
ZG43005	AC power strip	3	64	120	230
ZG43006	AC power strip	7	64	120	230

Module part #	Connector type	Maximum operating frequency (MHz)	Clamp voltage (V)	Maximum surge current (kA)	Application
CP24001	RJ11	N/A	270	3	Secondary 2-wire Dial-up
CP24003	RJ11	N/A	105	3	Secondary 4-wire Lease Line
CP24004	Terminal strip	N/A	105	3	Secondary 4-wire Lease Line
CP24005	RJ48S	>10	105	3	Secondary 4-wire Digital Data Service
CP24006	Terminal strip	>10	105	3	Secondary 4-wire Digital Data Service
CP24009	Terminal strip	0.5	27	3	Primary 4-wire RS232
CP24010	Terminal strip	0.5	27	3	Primary 5-wire RS233
CP24011	RJ45	0.5	27	3	Primary 8-wire RS234
CP24018	Terminal strip	50	10	10	Primary 2-wire + G RS485
CP24021	BNC	70	15	10	Primary Coax, IBM 3270 / Video
CP24025	RJ11	N/A	270	3	Secondary 4-wire Dial-up
CP24028	Terminal strip	60	15	10	Primary 4-wire + Shield RS422 BiPolar
CP24034	BNC	>150	30	10	Primary Coax 10Base-2
CP24037	BNC	70	30	10	Primary Coax Arcnet
CP24040	RJ45	>155	10	1	Secondary 8-wire Cat.5 LAN
CP24049	RJ45	>80	105	3	Secondary 2-wire ISDN
CP24052	F-type Coaxial	100	<20	10	Cable TV, Digital Satellite
CP24056	RJ31X	N/A	270	3	Secondary 4-wire Dial-up
CP24058	RJ48C	>50	28	10	T1
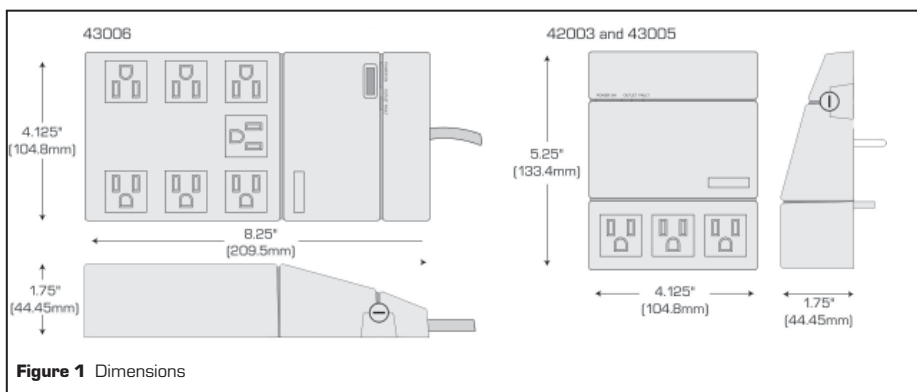
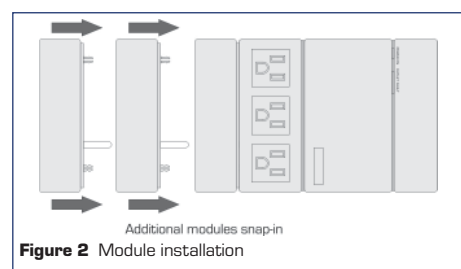**Figure 1** Dimensions

Note: In accordance with our policy of continuous improvement, we reserve the right to change the product's specification without notice.
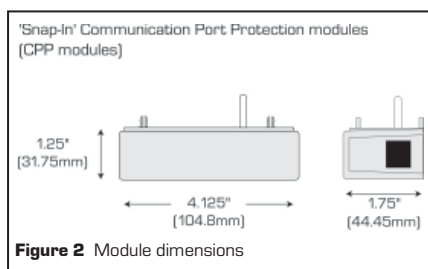
Figure 2 Module dimensions

Figure 2 Module installation

Approvals

Country	Standard/Authority	Approved for	Product
United States	UL 1449 Listed	AC power product	ZG42003, ZG43005, ZG43006
Canada	CSA Certified		ZG42003, ZG43005