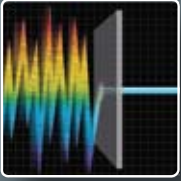


Panamax Signal Line Module Family



**Surge
Protect**



**Noise
Filter**



**Connected
Equipment
Longevity**



**Lifetime
Warranty**

Applications for:

- Satellite, CATV, Cable / DSL Modems & Pay-Per-View Lines
- For Outdoor Speakers, Keypads & Control Lines
- 10/100/1000 baseT Ethernet Networks
- Gigabit (1000 baseT) Ethernet Networks
- Analog Phone System Protection
- Digital Phone System Protection

Modular & Expandable
Application Specific
Signal Line

Protection

Surges and power problems occur on any electrical line— including telephone, modem, cable and speaker lines just to name a few. Every signal uses a different amount of voltage, and each Panamax module is designed with the specific application in mind to protect your equipment from these dangers while lengthening the life of your equipment.

Most Panamax Floor Model products feature some signal level protection for basic or standard systems, but each system is unique. Some systems may require additional signal level protection pathways – enter the Panamax family of protection “MODs”.

PRODUCT FAMILY INCLUDES:

- MOD-AT2
- MOD-AT4
- MOD-AT110
- MOD-DT4
- MOD-UTP
- MOD-CAT5
- MOD-DBSTV
- MOD-SPKP

MODULES ARE ALSO FOR USE WITH ALL:

- PM8-EX's
- M8-AV's
- M4-EX's
- M8-HT's
- M8-EX's
- M8-AV-PRO's



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PANAMAX
ADVANCED POWER MANAGEMENT SOLUTIONS

Maximize the longevity of your electronic equipment with Panamax, the key to complete path surge protection!

For Analog Phone System Protection - 2 Lines DSL Modem Compatible



MOD-AT2
\$29.95

Designed to protect standard phone lines connected to computer modems, telephones, pay-per-view ports, etc. It will also protect DSL lines (ADSL, G.Lite) going into the DSL modem. The MOD-AT2 module will protect a single phone line using an RJ-11 (2 wire) cord or a dual phone line using an RJ-14 (4 wire) cord.

SPECIFICATIONS

Telco / DSL Protection:
Fuseless/Auto-Resettable _____ Yes
Clamping Level _____ 260V
Capacitance _____ 30pf pf (approx.)
Suppression Modes _____ Metallic & Longitudinal
Wires Protected _____ Pins 3,4,5,6
Connectors _____ RJ-14

For Analog Phone System Protection - 4 Lines DSL Modem Compatible



MOD-AT4
\$49.95

Designed to protect standard phone lines and DSL (ADSL, G.Lite) lines. Multiple input & output jacks provide complete installation flexibility. Different cables/connections can be split or combined to accommodate a variety of installations.

SPECIFICATIONS

Telco / DSL Protection:
SignalPerfect™ Circuitry _____ Yes
Fuseless/Auto-Resettable _____ Yes
Clamping Level _____ 260V
Capacitance _____ 30 pf (approx.)
Suppression Modes _____ Metallic & Longitudinal
Wires Protected _____ 8
Connectors _____ RJ-45, RJ-14, RJ-11 and S110D

For 8 Analog Phone Lines Using 110 Punchdown Connectors DSL Modem Compatible



MOD-AT8110
\$79.95

Designed to protect up to 8 standard phone lines using 110 punchdown connectors on both the input and output.

SPECIFICATIONS

Telco/DSL Protection:
Fuseless/Auto-Resettable _____ Yes
Clamping Level _____ 260V
Capacitance _____ 30 pf (approx.)
Suppression Modes _____ Metallic & Longitudinal
Wires Protected _____ 16
Connectors _____ Punchdown S110D

For Digital Phone System Protection - 4 Lines



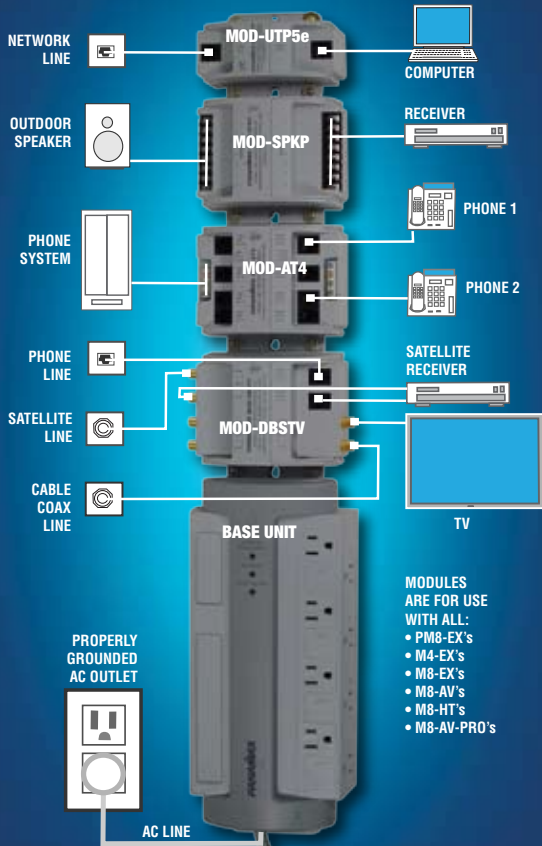
MOD-DT4
\$49.95

Designed to protect Digital Station (DS) Set phone lines. Station Set lines that leave the building are a pathway for surges (backdoor) to enter the phone system. Multiple input & output jacks provide complete installation flexibility. Different cables/connections can be split or combined to accommodate a variety of installations.

SPECIFICATIONS

Telco Protection:
Fuseless/Auto-Resettable _____ Yes
Clamping Level _____ 70V
Capacitance _____ 50 pf (approx.)
Suppression Modes _____ Metallic & Longitudinal
Wires Protected _____ 8
Connectors _____ RJ-45, RJ-14, RJ-11 and S110D

SIGNAL LINE PROTECTION EXAMPLES



For 10/100/1000baseT Ethernet Networks



MOD-UTP5e - \$29.95

Designed to protect networked computer equipment. It will protect one Ethernet 10/100/1000 Base-T, Token Ring, Arcnet, or AppleTalk network line.

SPECIFICATIONS

LAN Protection:
Compatibility _____ 10/100/1000bT
Clamping Level _____ 62 ± 6 V, all pins, plus ground
Suppression Modes _____ Differential & Common Ground
Wires Protected _____ Pins 1-8
Connectors _____ RJ-45
CAT5E Compliant _____ Yes

For Gigabit (1000baseT) Ethernet Networks



MOD-CAT5 - \$39.95

Designed for high-speed data applications-networks including CAT 5, fast Ethernet, ATM, and other high-speed active transport devices up to 100 MHz per pair.

SPECIFICATIONS

Telco Protection:
Clamping Level _____ 19V @ 1mA
Capacitance _____ <6pf
Suppression Modes _____ Differential & Common Ground
Wires Protected _____ Pins 1-8
Connectors _____ RJ-45
CAT5E Compliant _____ Yes

For Satellite, CATV, Cable / DSL Modems



MOD-DBSTV - \$59.95

Designed to protect 2 satellite lines, 1 cable TV or antenna line, and 1 telephone line.

SPECIFICATIONS

Telco / DSL Protection:
Fuseless/Auto-Resettable _____ Yes
Clamping Level _____ 260V
Capacitance _____ 30 pf (approx.)
Suppression Modes _____ Metallic & Longitudinal
Wires Protected _____ 1 Pair (Pins 4, 5)
Connectors _____ RJ-11

Universal Satellite Protection:

Shielded _____ Yes
Clamping Level _____ 75V
Frequency Range _____ 0MHz- 2.2GHz
Insertion Loss _____ <0.5dB
Connectors _____ Gold Plated Female "F"

For Outdoor Speakers, Keypads and Control Lines



MOD-SPKP - \$49.95

Designed to protect outdoor speaker, keypad, control and security wires (8 wires or 4 pairs). Equipment lines that lead outside the building are pathways for surges (sometimes called backdoor surges) to enter the equipment.

SPECIFICATIONS

Signal Line Protection:
Clamping _____ 47V
Modes Protected _____ All Terminals to Ground
Wires Protected _____ 8
Per Wire Capacity _____ 7 Amp
Wire Size _____ 12 AEG Max.
Connectors _____ 8 Wire Screw Terminals
Screw Terminals _____ Compatible w/ 12 Gauge Wire

Power Handling Capacity for Outdoor Speakers:
225 Watts per Channel for 4 Ohm Speakers
450 Watts per Channel for 8 Ohm Speakers

General: For all Modules

Lightning Protection _____ Yes
Product Warranty _____ Limited Lifetime
Mounting Hardware Included _____ Yes

Specifications subject to change without notice due to continuing product updates and improvements.

UPC's, Quantities, Weights and Measures for Ordering & Shipping

Model	Individual Unit UPC	Inner Pack Qty.	Inner Pack Carton Dimensions	Inner Pack Weight In Pounds	Inner Pack UPC	Master Pack Qty.	Master Pack Carton Dimensions	Master Pack Weight In Pounds	Master Pack UPC
MOD-AT2	0 50616 00769 6	6	7.25" x 6.25" x 5.50" H	3.25	30 50616 00769 7	24	13.0" x 7.50" x 12.0" H	15.0	50 50616 00769 1
MOD-AT4	0 50616 00770 2	6	13.0" x 11.25" x 5.75" H	5.10	30 50616 00770 3	24	22.5" x 13.5" x 12.0" H	22.5	50 50616 00770 7
MOD-AT8110	0 50616 00771 9	6	13.0" x 11.25" x 5.75" H	4.75	30 50616 00771 0	24	22.5" x 13.5" x 12.0" H	21.0	50 50616 00771 4
MOD-DT4	0 50616 00772 6	6	13.0" x 11.25" x 5.75" H	5.10	30 50616 00772 7	24	22.5" x 13.5" x 12.0" H	22.5	50 50616 00772 1
MOD-UTP	0 50616 00773 3	6	7.25" x 6.25" x 5.50" H	3.60	30 50616 00773 4	24	13.0" x 7.50" x 12.0" H	16.5	50 50616 00773 8
MOD-CAT5	0 50616 00774 0	6	7.50" x 6.50" x 5.75" H	4.40	30 50616 00774 1	24	13.25" x 7.75" x 12.25" H	20.0	50 50616 00774 5
MOD-SPKP	0 50616 00775 7	6	13.0" x 11.25" x 5.75" H	4.40	30 50616 00775 8	24	22.5" x 13.5" x 12.0" H	20.0	50 50616 00775 2
MOD-DBSTV	0 50616 00776 4	6	13.0" x 11.50" x 6.5" H	6.40	30 50616 00776 5	24	27.0" x 13.5" x 12.5" H	28.0	50 50616 00776 9

*See actual warranty and policy documents for details.

Specifications subject to change without notice due to continuing product updates and improvements.



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