

## Re: Whole house surge suppressors

**Source:** <http://sci.tech-archive.net/Archive/sci.electronics.basics/2004-07/0123.html>

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**From:** Mark (*mschal\_at\_adelphia.net*)

**Date:** 07/05/04

Date: Mon, 5 Jul 2004 12:12:24 -0400

Reality check here....I don't care what surge protection you use, if lightning hits your stuff its fried.

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Mark

MCSA, CNA, A+, Net+, iNet+, Server+

"Flea Ridden" <flea@flea.ridden> wrote in message

news:40E977E8.D57B6A19@flea.ridden...

> This is a most informative article, and it echoes what w\_tom says:

> [http://www.ecmweb.com/mag/electric\\_hit\\_grounding\\_home/](http://www.ecmweb.com/mag/electric_hit_grounding_home/)

>

> So when I call an arbitrary electrician to ask for a grounding survey,

> how do I know he's telling me the truth?

>

> Do I have to pay hundreds or thousands of dollars to purchase a ground

> tester?

>

> This is for a single family home that I have lived in for about 7 years,

> and will probably continue to live in for about 7 more years.

>

>

> Since I'm having electrical work done, I would also like something like

> this: [http://scientificsonline.com/product.asp?O\\_pn\\_E\\_3108400](http://scientificsonline.com/product.asp?O_pn_E_3108400) installed

> at my breaker box; it would be nice if it could break down it's info by

> each breaker; and it would also be nice if it could tell me how much

> current is flowing through my ground connection.

>

>

> Here are random URLs of info:

>

> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=0ap7ov4as6j8rj82pd3nv4fh127dc2adm0%404>

>

>

> [http://groups.google.com/groups?hl=en&lr=lang\\_en&ie=UTF-8&oe=UTF-8&threadm=3F0A5E47.FF0175D2%40ho](http://groups.google.com/groups?hl=en&lr=lang_en&ie=UTF-8&oe=UTF-8&threadm=3F0A5E47.FF0175D2%40ho)

>

> <http://amasci.com/amateur/whyand.html>

>

> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=3c0bf1a2%241%40news.alcatel.com&rnum=3>

>

>

> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=8gdqt7%24esp%241%40news.efn.org&rnum=1>

>

>

> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=rLpu0fAF53T6EwcJ%40lineone.net&rnum=8&>

>

>

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[http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=w5nsc.34575%24zw.8611%40attbi\\_s01&rnum](http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=w5nsc.34575%24zw.8611%40attbi_s01&rnum)  
>  
>  
<http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=U%25046.32481%24bw.2026859%40news.flas>  
>  
>  
>  
>  
> Here is a summary of models I have found, and some anecdotes from  
> Usenet:  
>  
> MODEL: Panamax Primax  
> RESELLER: SmartHome.com <http://www.smarthome.com/4839.html>  
> JOULES: 2700  
> AMPS: 60,000  
> CIRCUIT TYPE: 120/240 1 Phase, 50/60 Hz  
> RESPONSE TIME: 8x20 microseconds  
> PRICE: \$119.99  
> WARRANTY: the manufacturer provides a 3-year Connected Major Appliance  
> Protection Policy up to \$10,000 for the repair or replacement of major  
> household appliances (refrigerator, freezer, oven, range, washer, dryer,  
> ceiling fan or dishwasher) and a 5-year product warranty.  
> URLs:  
> - Press Release:  
>  
<http://groups.google.com/groups?q=panamax+surge&hl=en&lr=&ie=UTF-8&edition=us&selm=01bd5cec%24605>  
>  
> - Negative Experiences:  
>  
<http://groups.google.com/groups?q=panamax+surge&hl=en&lr=&ie=UTF-8&edition=us&selm=7nsc8t%24f01%2>  
>  
> - More Negative Experiences:  
>  
<http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&edition=us&threadm=01bcf42f%24f7de1be0%2401000>  
>  
> MODEL: Leviton 51120-1  
> RESELLER: SmartHome.com <http://www.smarthome.com/4860.html>  
> JOULES: 950  
> AMPS: 50,000  
> CIRCUIT TYPE:  
> RESPONSE TIME: "Instantaneous"  
> PRICE: \$189.99  
> WARRANTY:  
> URLs:  
> - Positive Comment:  
>  
<http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&edition=us&threadm=tia8dac62nojbf%40corp.super>  
>  
> - Negative Comment:  
>  
<http://groups.google.com/groups?q=leviton+surge&hl=en&lr=&ie=UTF-8&edition=us&selm=4026686F.E9CD7>  
>  
> - Positive Comment:  
>  
<http://groups.google.com/groups?q=51120+leviton&hl=en&lr=&ie=UTF-8&selm=37864104.3D18F1FD%40ibm.n>  
>  
> MODEL: Panamax gpp8005  
> RESELLER: PowerSystemsDIRECT  
>  
[http://www.powersystemsdirect.com/Panamax/Service Entrance Protector Whole House Surge Primax gpp](http://www.powersystemsdirect.com/Panamax/Service%20Entrance%20Protector%20Whole%20House%20Surge%20Primax%20gpp)  
>  
> JOULES: 2,700

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> AMPS: 60,000  
> CIRCUIT TYPE: 120/240 1 Phase 50/60Hz  
> RESPONSE TIME:  
> PRICE: \$99.99  
> WARRANTY: Connected Equipment Policy Length 3 Years; Connected  
> Equipment Policy Amount \$10,000; Lightning Protection Yes  
> URLs:  
> Model description:  
>  
> MODEL: Intermatic IG1240RC  
> RESELLER: SmartHomeUSA.com  
> <http://www.smarthomeusa.com/Shop/Lighting/Surge-Suppressors/Item/IG1240RC/>  
>  
> JOULES: 1,200  
> AMPS: 48,000  
> CIRCUIT TYPE: 120/240V 60Hz  
> RESPONSE TIME: Less than 5 nanoseconds  
> PRICE: \$69.95  
> WARRANTY: \$10,000 warrantee  
> URLs:  
> - Positive:  
>  
> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&edition=us&threadm=7ukvpr%24dja%241%40news.mks>  
>  
> - Positive:  
>  
> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&edition=us&threadm=dschneid.367.000B7827%40nic>  
>  
> - Positive:  
>  
> <http://groups.google.com/groups?q=intermatic&hl=en&lr=&ie=UTF-8&edition=us&selm=37FC7F0A.37E63B3A>  
>  
> - Informational:  
>  
> <http://groups.google.com/groups?q=intermatic+surge&hl=en&lr=&ie=UTF-8&edition=us&selm=bdagtd%24pa>  
>  
> MODEL: Intermatic PanelGuard IG1300-4T-2C, protects (?) phone-lines and  
> cable lines too  
> RESELLER:  
> JOULES:  
> AMPS: 48,000  
> CIRCUIT TYPE: 120/240 single (split) phase, 4 telephone lines, and 2  
> coax cable lines; ALL MODE PROTECTION (L1-N, L2-N, L1-G, L2-G, N-G,  
> L1-L2); 150 Volt MOVs (Metal Oxide Varistors) [AC Protection]; 350 Volt  
> Gas Tube [Telephone Protection]; 90 Volt Gas Tube [Coax Cable /  
> Satellite Protection]  
> RESPONSE TIME:  
> PRICE: IG1300-2T is \$152.83 at  
> <http://www.aplussupply.com/intermatic/pq5000/ig1240.htm>  
> WARRANTY: \$10,000, 5 year warranty  
> URLs:  
> - Non-negative:  
>  
> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=38e3ov8qs057mmtqpgq3loqfodtq1odnec%404>  
>  
> - Positive:  
>  
> <http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&threadm=bdc56s%24q5q%40acadia.ee.vill.edu&rnum>  
>  
> MODEL: Ditek DTK-WH8 Whole House Kit  
> RESELLER: StayOnline  
> [http://www.stayonline.com/panel\\_surge\\_protectors/3233.asp](http://www.stayonline.com/panel_surge_protectors/3233.asp)

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> JOULES: 1050  
> AMPS: 125,000  
> CIRCUIT TYPE: 120 / 240 Split Phase ; Suppressed Voltage Rating: 700V  
> (L-L), 400V (L-G, L-N, N-G)  
> RESPONSE TIME: Less than 5 nanosecond  
> PRICE: \$149  
> WARRANTY:  
> URLS:  
>  
> MODEL: PolyPhaser IS-PM120-SP  
> RESELLER: PolyPhaser.com  
> JOULES:  
> AMPS: 40,000  
> CIRCUIT TYPE: 120Vac, 1 Phase, 2 Wires & GND  
> RESPONSE TIME: ?? Turn-On Time: 25ns ??  
> PRICE:  
> WARRANTY:  
> URLS:  
> - Positive:

<http://groups.google.com/groups?q=leviton+surge&hl=en&lr=&ie=UTF-8&edition=us&selm=4026686F.E9CD7>

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