



IPC has teamed up with Ditek Corporation as our supplier and vendor for surge protection equipment. Whether the application you have is electrical, telephone, security, HVAC or utility, Ditek has a solution. Ditek offers a complete product line of over 800 different products.

In addition to the basic components used in a lightning protection system, surge protection equipment is a requirement for a complete system. Surge units are installed on the incoming electric service panel, telephone line and cable television. Surge protector units will provide protection from power surges as well as the effects of lightning strikes. Controlling these surges and excess voltages will minimize your risk and chance of damage to sensitive electronic equipment.

Following is a mere sampling of the many surge protector models for residential and light commercial applications. Normally these models are in inventory and ready for shipment upon receipt of order. For applications not covered by these models, additional information is required so that a model can be specified. The following page is a guideline to assist you. Upon receipt, we will work directly with Ditek's technical support staff for their recommendation.

Please feel free to do your own searching on the Ditek website for all of the available models. Their web address is www.ditekcorp.com. Pricing will be supplied on any model requested.



Product Manufactured by: Independent Protection Co., Inc. Product Distributed by: Ohio Valley Lightning Protection, Inc.

520 Leeka Road, New Vienna, OH 45159

Ph: 937.987.0245 or 866.220.2952 Fax: 937.987.0248



# **TVSS—Surge Protection Information Sheet**



Please fill out this form and fax to Independent Protection Co., Inc. at 574-534-3719. Upon our review, we will return this form with our recommendation(s), price and delivery.



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# DTK-WH5 ★ Wh<del>o</del>le House Protection Kit

All Whole House Kits Packaged For Presentation.



Kit contains surge for AC panel, telephone and cable television.

## **DTK-2LVLPSCP-RUV**

The DTK-2LVLPSCP-RUV is a solid state suppressor for two incoming telephone lines. It provides fully automatic, self restoring over voltage protection, as well as DITEK'S exclusive AutoSneak® over current protection.

## **DTK-VSP-A**

The DTK-VSP-A is a solid state suppressor for incoming CATV. Provides complete protection before the service splits within the home. It can also be used in conjunction with internet services via your cable TV.

### DTK-120/240HD Series II

The DTK-120/240HD Series II is a solid state, heavy duty surge suppressor for Residential and Commercial use. It can be installed at the service panel or service disconnect. The DTK-120/240HD Series II is internally fused for safety and is 125KA surge current capable.



★ Denotes normally stocked item available for shipment within 48 hours. Items not stocked are available within 14 days.



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### DTK-120/240 SA (Commercial Structure) ★

**Physical Specifications** 

Product Description: 200KA 120/240V 1(P) Arrester w/Filter

Housing NEMA 4/4X

Color Gray

Size 5.25 in. x 5.25 in. x 2.25 in.

Weight 1.450

#### **Electrical Specifications**

Class: Secondary Surge Arrestor, Class C

Installation Point: Meter Base, main panel, disconnect or weatherhead

Agency Approvals: UL-OWHX, cUL, ANSI/IEEE C.62.11

Connection Method: Hard wired, parallel

Continuous Current: Unlimited Response Time: <5 nSec

MCOV: 250VAC L - N, 500VAC L - L

Operating Frequency: 0 - 400 Hz
AC Protection Modes: L - G, L - L
Service Voltage: 120/240VAC

Diagnostics: Indicator lights for suppression and available gro

EMI/RFI Noise Filtering: up to 50db 100 KHz - MHz
Max Surge Current: 200,000 Amps (8x20 usec)

Max Energy Dissipation: 2640 Joules





### DTK-120/240 HD2 (Residential/Light Commercial AC) ★

**Physical Specifications** 

Product Description: AC hard-wired transient voltage surge suppressor

Housing NEMA 4 Waterproof

Color Gray

Size 4.00 in. x 4.00 in. x 2.25 in.

Weight 1.300

#### **Electrical Specifications**

Class: AC Hard-Wired Transient Voltage Surge Suppressor

Installation Point: Electrical Panel, Equipment Disconnect Agency Approvals: UL 1449, cUL, ANSI/IEEE C.62.41
Connection Method: Hard wire parallel connection Unlimited (Parallel Installation)

Response Time: <5 nSec

**MCOV:** 130VAC (L - N, L - G, N - G)

Operating Frequency: 0 - 400 Hz

AC Protection Modes: L - N, L - G, N - G Service Voltage: 120 / 240 Split Phase

Diagnostics: Indicator lights - Surge Protection present

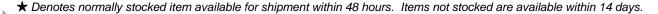
EMI/RFI Noise Filtering: 50db 100 KHz - 100 MHz

Max Surge Current: 125,000 Amps
Max Energy Dissipation: 1050 Joules

 $\textbf{Suppressed Voltage Rating:} \quad 700V~(L-L),~400V~(L-G,~L-N,~N-G)$ 









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#### DTK-2P-RUV (2-Line Telephone) ★

#### **Physical Specifications**

Product Description: 66 Block Punch Down 2 Pair

Housing High impact plastic

Color Gray

Size 2.0 in. x 2.0 in. x .75 in.

Weight 0.150

#### **Electrical Specifications**

Class: Telephone line protector

Installation Point: 66 block punch down at point of use

Agency Approvals: UL497B

Connection Method: Punchdown on M150 - 66 block

Continuous Current: Unlimited Response Time: <5 nSec

MCOV: 175VDC

Max Surge Current: 2,400 Amps (per pair)
Max Energy Dissipation: 22 Joules (per pair)
Typical Let Through Voltage: 184.0 - 224.0 (per pair)





#### DTK-VSP-A (Coax Cable) ★

#### **Physical Specifications**

Product Description: Video Line Coax (F Connector) (CATV)

Housing High impact plastic

Color Black

Size 3.25 in. x 1.25 in. x 1.00 in.

Weight .0150

#### **Electrical Specifications**

Class: Coaxial Cable Protector

Installation Point: CATV Entry

Agency Approvals: UL 1449, cUL, ANSI/IEEE C.62.41

Connection Method: Female IN/OUT

Response Time: <5 nSec

MCOV: 75VDC (center pin-shield), 38 VDC (shield ground)

Impedance: 75 Ohms

Standing Wave Ratio: 1.2:1

Band Pass: 0-1.5 GHz

Insertion Loss: <0.3dB @ .3 KHz - 1.1 MHz; <-3.0dB loss 3.0 - 4.





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Email: LightningBuck@aol.com Website: www.lightning-systems.com H-5





#### DTK-1FF ★

Ready to use plug in unit for office and computer products, home electronics or other communication devices.

#### **Physical Specifications**

Product Description: Single Outlet Wall Mount with Telephone Protection

Housing High Impact Plastic

Color Gray

Size 2.69 in. x 1.83 in. x 1.25 in.

Weight 0.25

#### **Electrical Specifications**

Class: Single Outlet Wall Mount with Telephone Protection

Installation Point: Receptacle

Agency Approvals: UL-1449, cUL, UL 497 A

Connection Method: Plug-in
Continuous Current: 15A
Response Time: <5 nSec
MCOV: 130VRMS

Operating Frequency: 50/60 Hz
AC Protection Modes: L - N, L - G, N - G

Service Voltage: 110 VAC

**Diagnostics:** Indicator Light—Surge Protection Present 13,500 Amps A/C, 2,400 Amps Telephone

Suppressed Voltage Rating: 330V (UL's Best Rating)

Max Energy Dissipation: 114 Joules (A/C) 22 Joules (Telephone)





#### DTK-1C (TV-VCR-FM Stereo) ★

Ready to use plug-in unit for TV, VCR or FM stereo applications

#### **Physical Specifications**

Product Description: AC Power Surge Protector

Housing Fire Retardant Plastic

Color Ivory

Size 3.27 in. x 2.20 in. x 1.18 in.

Weight .029

#### **Electrical Specifications**

Class: Single Outlet Surge Suppressor with Coax Protection (two

Female "F" Connectors)

Installation Point: Indoor at point of use

 Agency Approvals:
 UL 1449

 Connection Method:
 Plug-in

 Continuous Current:
 15A

 Response Time:
 <1 nSec</td>

 MCOV:
 125VAC

 Operating Frequency:
 50/60 Hz

 AC Protection Modes:
 L - N, L - G, N - G

Service Voltage: 120 VAC

Diagnostics: Light Indicating Surge Protection Present

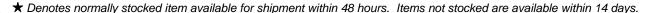
EMI/RFI Noise Filtering: 40db 150 KHz ~ 100 MHz

Max Surge Current: 4,500 Amps
Max Energy Dissipation: AC: 270 Joules

Insertion Loss: Less than 0.1dB at 10 MHz









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