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Quick Reference Guide



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NETWORKING SURGE PROTECTION

		APPLICATION
	<p>Ethernet & PoE Surge Protectors: Up to 10GbE data speeds - 20kA per pair surge current rating - Front-accessible Rapid-Replacement modules</p> <p>DTK-RM12NETS / DTK-RM16NETS / DTK-RM24NETS: Rack mount, 12, 16 or 24 channels DTK-WM4NETS / DTK-WM8NETS: Wall mount, 4 & 8 channels DTK-NETMS / DTK-EXTMS: Rapid-Replacement protection modules</p> <p>TIP! DITEK's Rapid-Replacement modules can be interchanged to protect Ethernet, PoE & PoE Extender circuits within the same housing</p>	Head End, Equipment Rack (Network switches, PoE Hubs, Midspans, Injectors, Ethernet & PoE Devices)
	<p>DTK-RM12ETHS: Protects 5V data circuits, rack mount, 12 channels DTK-RM12POES: Protects PoE circuits, rack mount, 12 channels</p>	Head End, Equipment Rack
	<p>Versa-Module 2 Customizable Surge Protection System: Protects various combinations of low voltage signaling, data & power circuits - Compact design - Single point ground</p> <p>DTK-VM2W4 / DTK-VM2W8: Wall mount enclosures, 4 & 8 channels DTK-VM2R24: Rack mount enclosure, 24 channels DTK-VM2 / VM2T Modules: Rapid-Replacement modules, RJ45 & twisted pair connections</p>	Head End, Equipment Rack
	<p>Primary Protector for Communication Circuits: Protects data networks, POS terminals & IP video cameras - Protects all four pairs - 10 GbE data speeds</p> <p>DTK-110C6A / DTK-110RJC6A: Available with 110-to-110 & 110-to-RJ connections DTK-110C6APOE / DTK-110RJC6APOE: Available with 110-110 & 110-to-RJ connections</p>	Data Networks, POS Terminals, Cameras
	<p>On-Line, Double Conversion Uninterruptible Power Supplies: Intuitive LCD display, USB & Ethernet interfaces available - Remote monitoring & SNMP card included</p> <p>DTK-UPS1000RE / DTK-UPS1500RE / DTK-UPS2000RE / DTK-UPS3000RE: Rack / tower models available in 1kVA, 1.5kVA, 2kVA & 3kVA - Zero transfer time from AC to battery</p>	Network Server, Mission Critical Equipment
	<p>DTK-RMAC12: 120VAC Rack Mount Surge Protector 12 surge protected outlets (6 front, 6 back), EMI/RFI noise filtering, diagnostic LED, 15' cord</p>	Head End Equipment Rack
	<p>DTK-RM16NM: 1U Rack Mount Analog Video Surge Protector 16 Channels, protects HD & analog circuits, ultra-low clamping, field-replaceable modules</p>	Head End Equipment Rack

VIDEO SURVEILLANCE SURGE PROTECTION

		APPLICATION
	<p>Ethernet & PoE Surge Protectors: SAD & GDT technologies - 10 GbE data speeds, PoE+ & HiPoE ready - 20kA per pair surge current rating</p> <p>DTK-MRJPOEX: NEMA 4X enclosure & liquid-tight cord grips for outdoor applications DTK-MRJETHS / DTK-MRJPOES / DTK-MRJETXS: Ethernet, PoE & extender circuits</p>	Outdoor Ethernet & PoE, Wireless Access Points
	<p>IP Video Surge Protectors - Low impedance video/data protection with up to 10GbE data transmission speed, additional connections for power accessory</p> <p>DTK-PVPIPS: Protects IP/PoE data, additional connections for 12/24V power accessory DTK-PVP56V: Protects PoE data, additional connections for 56V power accessory</p>	IP/PoE Cameras, NVR's Copper/Fiber Composite Cable
	<p>HD / Analog Video Surge Protectors: 5 Amp, 24V circuit protects power feeds to camera, heater, blower, etc. - Compatible with HD-CVI, HD-TVI & AHD technologies</p> <p>DTK-DP4P: Protects power, video & data to PTZ cameras, BNC or twisted pair DTK-PVP27B: Protects power & video to fixed cameras, BNC, twisted pair or passive Balun</p>	External Pole Base, Junction Box
	<p>DTK-IBNC2.8: Camera Video Line Protector - BNC "in-line" with 2.8V clamping DTK-IBNCHD: Camera Video Line Protector - Protects HD-SDI circuits</p>	Camera Housing
	<p>DTK-POC: Power Over Coax Protector - Protects Ethernet & PoE extenders that transmit over legacy coaxial cable, 16 channel rack mount available</p>	IP Cameras, DVR's
	<p>DTK-GLI: Ground Loop Isolator - Prevents video distortion caused by conflicting power loads, passive device allows for two-way communication</p>	Head End, Monitor

TIP! BE SURE TO PROTECT BOTH THE CAMERA AND THE HEAD-END EQUIPMENT!

AC POWER SURGE PROTECTION

	<p>ZEUS, Non-Modular Surge Protective Devices: Protects AC power systems in the most demanding environments - Individually fused components for maximum performance and protection - Diagnostic LED indicates system power and SPD function - Compact size enables close mounting to the protected panel - Available in a wide range of voltage configurations - Excellent choice for electrical system surge protection</p> <p>D50 Series: 50kA/Phase, 25kA/Mode, Type 1 SPD (Type 2 Canada) - Recommended for electrical panels rated at 200A or less - UL1449 Listed</p> <p>D100 Series: 100kA/Phase, 50kA/Mode, Type 1 SPD (Type 2 Canada) - Recommended for electrical panels rated at 200A to 600A - UL1449 Listed</p> <p>D200 Series: 200kA/Phase, 100kA/Mode, Type 1 SPD (Type 2 Canada) - Recommended for electrical panels rated at 600A & up - Audible alarm & dry contacts - UL1449 Listed</p>	<p>Small Disconnects & Service Panels</p> <p>Branch Panels & Distribution Panels</p> <p>Service Entrance & Branch Panels</p>
	<p>ZEUS, Modular Surge Protective Devices: Provides professional-grade protection to AC power systems in the most demanding environments - Visual LED end of life indicator - Audible alarm with silence button - Surge counter with reset button - Form C dry contact for remote monitoring - EMI/RFI Filtering & phase loss indication - Replaceable SPD module - Available in 5 voltage configurations, with up to 10 modes of protection - UL96A lightning protection compliant</p> <p>D200M Series: 200kA/Phase, 100kA/Mode, Type 1 SPD - UL1449 Listed D200MT Series: 200kA/Phase, 100kA/Mode, Type 1 SPD - Integral disconnect - UL1449 Listed D300M Series: 300kA/Phase, 150kA/Mode, Type 1 SPD - UL1449 Listed D300MT Series: 300kA/Phase, 150kA/Mode, Type 1 SPD - Integral disconnect - UL1449 Listed</p>	<p>Find us in MasterSpec</p> <p>Service Entrance & Branch Panels</p>
	<p>DIN Rail Surge Protective Devices: Provides point-of-use surge protectors for critical operations within commercial and industrial environments - Compact, modular design for easy integration within machine control panels - Visual and remote end of life indicators - Available in multiple voltage and pole configurations - UL1449 4th Edition Recognized/CE</p> <p>DTK-DR Series: DIN Rail surge protective device - 75kA/Phase - Rapid-Replacement modules</p>	Industrial Control Equipment, UL508 Control Panels
	<p>Low Voltage DIN Rail Surge Protectors: Surge protection for critical low voltage applications within industrial & commercial environments - 35mm DIN Rail mounting configuration - Rapid-Replacement modules</p> <p>DTK-DRB Series: Protects (2) circuit pairs - 5V to 130V - Shorts to ground with compromised DTK-DRF Series: Protects (2) circuit pairs - 5V to 130V - Opens circuit when compromised</p>	Industrial Control Equipment, UL508 Control Panels
	<p>DTK-2403CMXPLUS: 240V, 3 Phase Type 1 SPD - 75kA - NEMA 4X - UL1449 Listed DTK-4803CMXPLUS: 480V, 3 Phase Type 1 SPD - 75kA - NEMA 4X - UL1449 Listed DTK-6003CMXPLUS: 600V, 3 Phase Type 1 SPD - 75kA - NEMA 4X - UL1449 Listed</p>	Electric Panels, Control Panels
	<p>DTK-120/240CM+: 120/240V, Split Phase Type 1 SPD - 50kA - NEMA 4X - UL1449 Listed DTK-240/480CM+: 240/480V, Split Phase Type 1 SPD - 50kA - NEMA 4X - UL1449 Listed</p> <p>DTK-120HWLOK: 120V, 20A Type 1 SPD w/Lockout kit - NEMA 4X - Diagnostic LED - UL1449 DTK-120/240HW: 120/240V, 20A Type 1 SPD - NEMA 4X - Diagnostic LED - UL1449 Listed DTK-120HW: 120V, 20A Type 1 SPD - NEMA 4X - Diagnostic LED - UL1449 Listed DTK-240HW: 240V, 20A Type 1 SPD - NEMA 4X - Diagnostic LED - UL1449 Listed</p>	<p>HVAC, Pumps, Motors, Highway Lighting</p> <p>Equipment Panels, FACP</p>
	<p>Deflector Series Surge Protective Devices: Patented design provides maximum 120VAC or 240VAC single phase critical load protection by minimizing AC supply voltage spikes and isolating incoming surges that originate from lightning or other sources - Audible alarm sounds when protection is compromised or protection module is removed - Rapid-Replacement protection modules for ease of installation - Dry contacts for remote notification when service is required - Accepts both flexible and rigid conduit - UL1449 Listed, cUL, UL1283</p> <p>DTK-DF120S1: 120VAC single phase - 50kA surge current rating - Series connected DTK-DF240S1: 240VAC single phase - 50kA surge current rating - Series connected</p> <p>DTK-DF120S12: 120VAC single phase - 50kA surge current rating - Protects up to twelve circuits DTK-DF240S12: 240VAC single phase - 50kA surge current rating - Protects up to twelve circuits</p> <p>DTK-DF120M / DTK-DF240M: Rapid-Replacement surge protection modules - 120VAC or 240VAC</p>	<p>Electronic Fueling Equipment, POS Devices, Lottery Machines, FACP</p>
	<p>DTK-LC2: Line Conditioner with Surge Protection - Combines UL1283 EMI/RFI noise filtering to ensure clean power with 120VAC single phase critical load surge protection- LED health status indicator for power, ground and protection status - Audible alarm sounds when protection is compromised - Ethernet/PoE protection provided for connected loads - UL1449 Listed, cUL</p>	Copy Machines, Office Equipment



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FIRE ALARM SURGE PROTECTION APPLICATION

	Surge Protection Solution for Fire Alarm Control Panels: Visual, audible, smart. Equipped with a DTK-DF120M module to protect 120VAC system power, & a 6-position mounting base to protect up to twelve pairs of SLC, IDC/PIV, NAC or dialer circuits - Low voltage protection modules available in 5V, 12V, 24V, 36V, 48V & 75V configurations (sold separately) DTK-120X12: 120VAC surge protector with 6-position mounting base for low voltage protection DTK-DF120M: 120V Rapid-Replacement surge protection module DTK-2MHLP Modules: Low voltage surge protection modules - each module protects 2 pairs	Fire Alarm Control Panel
	DITEK's Total Surge Solutions are a range of products that provide total surge protection for addressable and conventional alarm systems - Low voltage surge protection modules sold separately DTK-TSS1: Protects 120V system power & up to ten pairs of SLC, IDC/PIV, NAC or dialer circuits DTK-TSS2: Protects 120V system power & up to four pairs for SLC, IDC/PIV, NAC or dialer circuits DTK-TSS6: Protects 120V system power & up to eight pairs of SLC, IDC/PIV, NAC or dialer circuits DTK-TSS3: Protects up to four SLC, IDC/PIV, NAC or dialer circuits DTK-TSS4D: Protects 120V system power - UL Listed NEMA 4X enclosure *Mix & match DTK-2MHLP-B/F modules to create a Total Surge Solution	Alarm/Control Panel NAC Boosters Building-Building
	DTK-2MHLP-B Surge Protection Modules (shorts to ground): Each module protects 2 pairs of SLC, IDC/PIV, NAC or dialer circuits - Available from 5V to 75V - With or without hard wired base DTK-2MHLP-F Surge Protection Modules (opens circuit): Each module protects 2 pairs of SLC or IDC/PIV circuits - Available from 5V to 75V - With or without hard wired base	Low Voltage Loop Circuits
	Deflector Series Surge Protective Devices: Patented design provides maximum 120VAC or 240VAC single phase critical load protection - Series connected with dry contacts & audible alarm DTK-DF120S1 / DTK-DF240S1: 120VAC or 240VAC - 50kA surge current rating	Fire Alarm Panel, Control Panel, POS Devices, Lottery Machines
	DTK-120SRD: 120VAC, Series Connected Surge Protective Device UI1283 EMI/RFI noise filtering - Dry contacts for remote monitoring - UL1449 Recognized	Fire Alarm Control Panel
	DTK-120HW / DTK-120HWLOK: 120VAC, 20A Parallel Surge Protective Device Diagnostic LED, NEMA4X weatherproof enclosure - 120HWLOK Includes lockout kit - UL1449 Listed	Branch Panel (at Breaker)
	DTK-MRJ31XSCPWP: Single Pair RJ31X Dialer Circuit Protector Sneak current protection - RJ31X connection with external grounding screw - Includes patch cord	Alarm or Control Panel
	DTK-FPK1: Alarm Control Panel Kit - Includes DTK-120HW (1) & DTK-MRJ31XSCPWP (2) DTK-FPK2: Alarm Control Panel Kit - Includes DTK-120SRD (1) & DTK-MRJ31XSCPWP (2)	Fire Alarm Control Panel

ACCESS CONTROL & INTRUSION SURGE PROTECTION APPLICATION

	DTK-TSS5: Total Surge Solution for Acces Control Systems Equipped with the DTK-120SRD to protect 120V AC power (dry contacts for remote monitoring of surge protection status) & two DTK-110RJC6APOE primary protectors for network communication circuits	Access Control Panel
	DTK-3LVLXP: Card Reader Surge Protector - Protects 3 pairs, 12V - 14V DTK-4LVLPCR: Card Reader Surge Protector - Protects 4 pairs, 12V power, 24V power DTK-4LVTEP: Telephone Entry Surge Protector - Protects system power, telco & data circuits DTK-4LVXR: Telephone Entry Surge Protector - Protects system power, telco & release circuits	Wiegand Reader Card Reader Residential Gate Commercial Gate
	DTK-ESS: 24V Electric Door Strike Surge Protectors - Sold as a pair to protect both ends of circuit	Door Frame, Control Panel
	DTK-MRJPOES: PoE Surge Protector - PoE+ & HiPoE ready - 20kA/pair surge current rating DTK-MRJETHS: Ethernet Surge Protector - Protects 5V data, up to 10GbE data speeds	PoE Devices Ethernet Devices
	DTK-APK1: Security Control Panel Surge Protection Kit Protects 120VAC single outlet power (DTK-1F) & dialer circuit (DTK-MRJ31XSCPWP)	Control Panel & Dialer



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COMMUNICATIONS SURGE PROTECTION APPLICATION

	Primary Protector for Communication Circuits: Protects IP & PoE circuits transmitting video and/or data over CAT5E, CAT6 & CAT6A cable - Protects all four pairs - Available with 110-to-110 & 110-to-RJ connections DTK-110C6APOE / DTK-110RJC6APOE: PoE surge protection, 10GbE data speeds DTK-110C6A / DTK-110RJC6A: Ethernet surge protection, 10GbE data speeds	Data Networks, POS Terminals, IP/PoE Cameras
	Versa-Module 2 Customizable Surge Protection System: Protect low voltage signaling, data, or power circuits with a mix of modular devices that match the specific needs of that system - with a single point ground connection that makes installation a breeze! DTK-VM2W4 / DTK-VM2W8: Wall mount enclosures, 4 & 8 channels DTK-VM2R24: Rack mount enclosure, 24 channels DTK-VM2 / VM2T Modules: Rapid-Replacement modules, RJ45 & twisted pair connections	Head End, Equipment Rack
	DTK-MRJETHS / DTK-RM12ETHS: Ethernet Surge Protectors Protects 5V data circuits (all 4 pairs) - Up to 10GbE data speeds - Individual or rack mount	IP Camera, Data Networks, POS
	DTK-MRJPOEX: 10GbE PoE Surge Protector for Outdoor Applications PoE+ & HiPoE ready - 20kA/pair surge current rating - NEMA 4X enclosure with liquid-tight cordgrips for waterproof connection - Shielded RJ45 connections	Outdoor Ethernet & PoE Devices, Wireless Access Points
	HDMI Surge Protectors: Protects sensitive electronics from Electrostatic Discharges (ESD) & power surges - HDMI 2.0a & HDCP 2.2 Compatible - Supports up to 4k UHD DTK-HDMI1: Single channel HDMI surge protector - includes mounting bracket DTK-HDMI2: Dual channel HDMI surge protector - includes mounting bracket	HD TV, DVD Players, Home Theater Systems
	DTK-2MHLP-B / DTK-2MHLP-F Series Low Voltage Surge Protection Modules Each module protects 2 pairs - Available from 5V to 75V - With or without hard wired base - "B" series shorts to ground, "F" series opens circuit DTK-MB Series: 1, 2, 3, 4 or 5-position mounting base for all DTK-2MHLP modules	Data & Signaling Circuits 70V Speakers, 4-20mA Current Loops, Telco
	DTK-LVLP Series: Low Voltage Line Surge Protectors Protects 1, 2, 4 or 8 pairs - Available from 5V to 75V - #22 - #16 AWG screw terminals, for #14 - #10 AWG wiring, specify DTK-LVLAWG models	Telco, Initiating & Notifying Circuits, Data Loops
	DTK-S / DTK-SL Series: 66 Block Snap On Surge Protectors - 14V, 30V, 50V & 130V, 150mA continuous current ("A" models) or 2A ("B" models) - SL series includes diagnostic LED DTK-SIGB: Universal Ground Bar - Single point ground for up to 25 S / SL pairs	Digital & Analog Station Lines, 66 Block

UNINTERRUPTIBLE POWER SUPPLIES APPLICATION

	On-Line, Double Conversion Uninterruptible Power Supplies: Intuitive LCD display - USB & Ethernet interfaces available - Remote monitoring & SNMP card included DTK-UPS1000RE / DTK-UPS1500RE / DTK-UPS2000RE / DTK-UPS3000RE: Rack / tower models available in 1kVA, 1.5kVA, 2kVA & 3kVA - Zero transfer time from AC to battery	Network Server, Mission Critical Equipment
	Line Interactive Uninterruptible Power Supplies: Embedded microprocessor guarantees exceptional reliability - USB connection for software download - Built-in boost & buck AVR DTK-UPS600 / DTK-UPS800: Available in 600VA & 800VA - Touch screen LCD display	POS, Lottery, Home & Office Workstations

PLUG-IN SURGE PROTECTION APPLICATION

	DTK-8FF: 8-Outlet Plug-In Surge Protector 120VAC, up to 6 transformers - 1 in/2 out RJ11 telco protection - Diagnostic LED - 6' Cord	Point of use
	DTK-7VS: 7-Outlet Power Strip with Load Sensing Technology 120VAC, 15A - 2-in-1 power ON/OFF rocker switch - Illuminated load-status indicator	Point of Use
	DTK-1F: Single outlet surge protector with retention screw - 120VAC DTK-1FF: Single outlet & RJ11 dialer surge protector with retention screw - 120VAC	Point of Use