12

Power Products

Section 12   Power Products

Power Products

Power Supplies

Power Protection

PoE Midspan Solution for Standard Network Infrastructure

ALTRONIX

Altronix NetWay8/NetWay16 Midspans provide power and pass data (video) for PoE compliant cameras/devices. They are available with eight or sixteen ports in a space-saving 1U EIA 19 in. rack-mount chassis. Cameras/devices may be located up to 100 m (328 ft.) from the NetWay unit. A NetWayXT repeater module can be utilized to extend the distance an additional 100 m (328 ft.) for a total range of up to 200 m (656 ft.). A maximum range of 600 m (1,968 ft.) is possible using multiple repeaters, based on camera/device port requirement. NetWay Midspans are capable of supporting non-PoE compliant fixed and PTZ IP cameras by utilizing NetWay1512 or NetWay3012 adapters.

FEATURES

- Input 115 V AC
- Unit provides up to 15.4 W max. full power per port. IEEE 802.3af compliant
- Automatic detection and protection of legacy non-PoE cameras
- Illuminated master power disconnect circuit breaker with manual reset (switch)
- Individual port status LEDs
- IEC 320 - 3-wire grounded line cord (detachable)
- Unit can be rack or shelf mounted
- 1U rack-mount chassis for use in standard EIA 19 in. rack

Anixter No.	Vendor No.	Description
393056	NETWAY1	Single-port midspan PoE injector - one PoE compliant port rated at 15.4 W IEEE 802.3af, PoE shutdown feature, compact insulated housing
393057	NETWAY8	8-port midspan - PoE compliant ports rated at 15.4 W max. per IEEE 8023.af, two of these ports are selectable to accommodate IP PTZ cameras, 1U EIA 19 in. rack-mount chassis, 115 V AC input
393058	NETWAY16	16-port midspan - PoE compliant ports rated at 15.4 W max. per IEEE 8023.af, four of these ports are selectable to accommodate IP PTZ cameras, 1U EIA 19 in. rack-mount chassis, 115 V AC input
393059	NETWAY1512	12 V DC/13 W NetWay midspan adapter for IP cameras and devices
393060	NETWAY3012	12 V DC/25 W NetWay midspan adapter for IP cameras and devices
393061	NETWAYXT	Repeater extends Ethernet and PoE an additional 100 m (328 ft.)

Video Surveillance UPS

ALTRONIX

ReServ1 Video Surveillance UPS is designed to simultaneously provide power for 12 V DC and 24 V AC cameras during normal or power outage conditions. True sine wave regulated AC output.

FEATURES

- Input 115 V AC
- Built-in charger for sealed lead acid or gel type batteries
- Automatic switchover to stand-by battery when AC fails
- Low-voltage input and shutdown LED indicators
- AC fail supervision (Form "C" contacts)
- Low battery supervision (Form "C" contacts)
- True sine wave regulated AC output
- Power ON/OFF switch

Anixter No.	Vendor No.	Description
393062	RESERV1	Video surveillance UPS - eight 24 V AC true sine wave and four 12 V DC regulated fused outputs, four amp total current, encl. 13.5 in. H x 13 in. W x 3.25 in. D, accommodates up to two 12 V DC/7 Ah batteries, 115 V AC input
419532	RESERV1WP	Outdoor video surveillance UPS - eight 24 V AC true sine wave and four 12 V DC regulated fused outputs, four amp total current, NEMA 4 IP66 rated encl. 17.5 in. H x 12 in. W x 6.625 in. D, accommodates up to two 12 V DC/12 Ah batteries, 115 V AC input
419528	RESERV2	Video surveillance UPS — sixteen 24 V AC true sine wave PTC outputs, four amp total current, encl. 13.5 in. H x 13 in. W x 3.25 in. D, accommodates up to two 12 V DC/7 Ah batteries, 115 V AC input
424080	RESERV2WP	Outdoor video surveillance UPS - sixteen 24 V AC true sine wave PTC outputs, four amp total current, NEMA 4 IP66 rated encl. 17.5 in. H x 12 in. W x 6.625 in. D, accommodates up to two 12 V DC/12 Ah batteries, 115 V AC input

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12.1

Altronix

DC CCTV Power Supplies

ALTRONIX

Altronix SAV Power Supplies provide 12 V DC distributed via four (4), nine (9), eighteen (18) or thirty-six (36) PTC protected outputs for powering surveillance cameras.

FEATURES

- Filtered and electronically regulated outputs
- Short circuit and thermal overload protection
- Unit maintains camera synchronization
- Ease of installation saves time and eliminates costly labor

Anixter No.	Vendor No.	Description
393063	SAV4D	Four output CCTV power supply - 12 V DC at 5 amp, PTC outputs, encl. 8.5 in. H x 7.5 in. W x 3.75 in. D, 115/230 V AC input
392961	SAV9D	Nine output CCTV power supply - 12 V DC at 5 amp, PTC outputs, encl. 8.5 in. H x 7.5 in. W x 3.75 in. D, 115/230 V AC input
392962	SAV18D	18 output CCTV power supply - 12 V DC at 5 amp, PTC outputs, encl. 8.5 in. H x 7.5 in. W x 3.75 in. D, 115/230 V AC input
393066	SAV182D	18 output CCTV power supply - 12 V DC at 11 amp, PTC outputs, encl. 13.5 in. H x 13 in. W x 3.25 in. D, 115/230 V AC input
393067	SAV36D	36 output CCTV power supply - 12 V DC at 11 amp, PTC outputs, encl. 13.5 in. H x 13 in. W x 3.25 in. D, 115/230 V AC input

Maxim Access Power Controllers

ALTRONIX

Maxim Access Power Controllers interface with access control panels and route power to a variety of access control devices including: mag locks, electric strikes, door holders, card readers, biometrics, etc. Sixteen (16) independently trigger controlled "wet" or "dry" outputs are individually programmable for fire alarm disconnect. Unit provides 12 V DC over sixteen (16) outputs, 24 V DC over sixteen (16) outputs, or 12 V DC over eight (8) outputs and 24 V DC over eight (8) outputs via one or two on-board power supplies. Includes built-in battery charger and AC fail, low battery and battery presence supervision.

FEATURES

- UL Listed for access control (UL 294)
- C(UL) Listed
- Input 115 V AC 60 Hz
- 12 V DC or 24 V DC selectable operation
- Sixteen (16) access control inputs
- Sixteen (16) independently controlled outputs
- Sixteen (16) auxiliary power outputs (unswitched)
- Fire alarm disconnect (latching or non-latching) selectable by output
- AC input and DC output LED indicators
- AC fail, battery fail and battery presence supervision
- Removable terminal blocks facilitate ease of installation
- For PTC protected outputs add suffix "D" to the part number (ex. Maxim33D)

Anixter No.	Vendor No.	Description
340087	MAXIM33	Power supply 1: 5.5 amp @ 12 V DC or 5.7 amp @ 24 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs. Power supply 2: 5.5 amp @ 12 V DC or 5.7 amp @ 24 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs
340092	MAXIM55	Power supply 1: 9.5 amp @ 12 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs. Power supply 2: 9.5 amp @ 12 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs

Anixter No.	Vendor No.	Description
340094	MAXIM75	Power supply 1: 9.7 amp @ 24 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs. Power supply 2: 9.5 amp @ 12 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs
340096	MAXIM77	Power supply 1: 9.7 amp @ 24 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs. Power supply 2: 9.7 amp @ 24 V DC, 8 fused protected Fail-Safe/Fail-Secure outputs

Maxim Expandable Power Systems

ALTRONIX

Maxim power supply/chargers provide system designers and installers with "maximum" power choices with the highest level of versatility. Optional Altronix field installable sub-assemblies provide multiple outputs and a wide range of features for specific access control and fire alarm applications. They provide 12 V DC, 24 V DC, or 12 V DC and 24 V DC simultaneously via two (2) single output power supply/chargers. Includes AC fail, low battery and battery presence monitoring.

FEATURES

- UL Listed for access control (UL 294)
- C(UL) Listed
- Input 115 V AC
- Filtered and electronically regulated outputs
- Short circuit and thermal overload protection
- Built-in charger for sealed lead acid or gel type batteries
- Automatic switch over to stand-by battery when AC fails
- AC fail, low battery and battery presence supervision
- AC input and DC output LED indicators
- Fits up to four (4) 12 V DC/12 Ah batteries
- Enclosure dimensions: 26 in. H x 19 in. W x 6.25 in. D

Anixter No.	Vendor No.	Description
340105	MAXIM33E	Power supply 1: 6 amp @ 12 V DC or 24 V DC. Power supply 2: 6 amp @ 12 V DC or 24 V DC
340106	MAXIM35E	Power supply 1: 6 amp @ 12 V DC or 24 V DC. Power supply 2: 10 amp @ 12 V DC
340107	MAXIM37E	Power supply 1: 6 amp @ 12 V DC or 24 V DC. Power supply 2: 10 amp @ 24 V DC
340108	MAXIM55E	Power supply 1: 10 amp @ 12 V DC. Power supply 2: 10 amp @ 12 V DC

Anixter No.	Vendor No.	Description
340109	MAXIM75E	Power supply 1: 10 amp @ 12 V DC. Power supply 2: 10 amp @ 24 V DC
340113	MAXIM77E	Power supply 1: 10 amp @ 24 V DC. Power supply 2: 10 amp @ 24 V DC

StrikeIt1 Panic Device Power Controller

ALTRONIX

The StrikeIt units are a comprehensive power solution for installations where single or multiple DORMA, Dor-O-MATIC, VON DUPRIN and similar panic hardware locking devices are required.

FEATURES

- UL Listed for access control (UL 294)
- C(UL) Listed
- MEA and CSFM Approved
- Built-in charger for sealed lead acid or gel type batteries
- Automatic switch over to stand-by battery when AC fails
- Fits two (2) 12 V DC/7 Ah batteries
- Enclosure dimensions: 13.5 in. H x 13 in. W x 3.25 in. D

Anixter No.	Vendor No.	Description
340114	STRIKEIT1	Panic device power controller, two (2) 24 V DC individually or simultaneously controlled lock outputs, FACP trigger input, programmable timed lock release from 1 second to 30 seconds, two (2) delayed follower relays control automatic door operators that are locked or for doors that are unlocked during the business day, two (2) follower relays to trigger external relays, ADA push plate switches, etc., two (2) regulated auxiliary outputs, two (2) programmable fire alarm disconnect options
424082	STRIKEIT2	Panic device power controller, one (1) 24 V DC controlled lock output, one (1) regulated auxiliary output

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12.3

Altronix

Passive UTP Transceiver Hub with Integral Camera Power

ALTRONIX

Units transmit UTP video, RS-422/RS-485 data and power over a single Cat 5 structured cable. Video and data transmission range is up to 750 ft. max. per channel. 24 V AC or 28 V AC power is selectable by output to compensate for voltage drop.

FEATURES

- Quality video up to 750 ft.
- PTC protected outputs
- Individually selectable 24 V AC or 28 V AC camera channel power outputs with OFF position
- Compatible with 24 V AC and 12 V DC fixed or PTZ cameras (Use HubWayAv, HubWayDv and HubWayDvi video balun/combiners)
- Power LED indicators
- Illuminated master power switch
- IEC 320 - 3-wire grounded line cord (detachable)
- Compact 1U rack-mount chassis - fits standard EIA 19 in. rack

Anixter No.	Vendor No.	Description
393086	HUBWAY8CD	8-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 5 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115 V AC input, UL Listed (UL 2044), C(UL) Listed
393087	HUBWAY82CD	8-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 5 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes eight UL Listed accessory HubWayAv Video Balun/ Combiners for 24 V AC cameras
393088	HUBWAY83CD	8-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 5 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes eight UL Listed accessory HubWayDv Video Balun/ Combiners for 12 V DC cameras

Anixter No.	Vendor No.	Description
393068	HUBWAY16CD	16-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 10 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115 V AC input, UL Listed (UL 2044), C(UL) Listed
393069	HUBWAY162CD	16-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 10 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes 16 UL Listed accessory HubWayAv Video Balun/Combiners for 24 V AC cameras
393070	HUBWAY163CD	16-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 10 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes 16 UL Listed accessory HubWayDv Video Balun/Combiners for 12 V DC cameras

Active UTP Transceiver Hub with Integral Camera Power

ALTRONIX

Units transmit UTP video, RS-422/RS-485 data and power over a single Cat 5 structured cable. Video and data transmission range is up to 3,000 ft. max. per channel. 24 V AC or 28 V AC power is selectable by output to compensate for voltage drop.

FEATURES

- 115/230 V AC input
- Quality video up to one mile
- Individually selectable 24 V AC or 28 V AC camera channel power outputs with OFF position
- Compatible with 24 V AC and 12 V DC fixed or PTZ cameras (Use HubWayAv, HubWayDv and HubWayDvi video balun/combiners)
- Picture quality and gain control
- Video signal and power LED indicators

- Illuminated master power switch
- IEC 320 - 3-wire grounded line cord (detachable)
- Compact 1U rack-mount chassis - fits standard EIA 19 in. rack

Anixter No.	Vendor No.	Description
424083	HUBWAYEX16SP	16-channel active UTP transceiver hub with integral camera power, video/data up to 1 mile. 16 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115/230 V AC input, UL Listed (UL 2044), C(UL) Listed

Active UTP Transceiver Hub

ALTRONIX

Units transmit UTP video, RS-422/RS-485 data and power over a single Cat 5 structured cable. Video and data transmission range is up to 1 mile max. per channel.

FEATURES

- 115/230 V AC input
- Quality video up to 1 mile
- Automatic picture and gain control
- Automatic correction for reverse polarity
- Video signal and power LED indicators
- Illuminated master power switch
- IEC 320 - 3-wire grounded line cord (detachable)
- Compact 1U rack-mount chassis - fits standard EIA 19 in. rack

Anixter No.	Vendor No.	Description
424106	HUBWAYEX16S	16-channel active UTP transceiver hub, video/data up to 1 mile, 1U EIA 19 in. rack-mount chassis, 115 V AC input, UL Listed (UL 2044), C(UL) Listed

UTP Power Injector

ALTRONIX

The HubWayEXP UTP Power Injector is used to inject power and transmit video from up to four cameras over a single Cat 5 or higher structured cable back to the HubWayEX16/HubWayEX32.

FEATURES

- 115/230 V AC input
- Individually selectable 24 V AC or 28 V AC camera channel power outputs with OFF position
- Compatible with 24 V AC and 12 V DC fixed or PTZ cameras (Use HubWayAv, HubWayDv and HubWayDvi video balun/combiners)
- Picture quality and gain control
- Video signal and power LED indicators
- Illuminated master power switch
- IEC 320 - 3-wire grounded line cord (detachable)
- Compact 1U rack-mount chassis - fits standard EIA 19 in. rack

Anixter No.	Vendor No.	Description
424115	HUBWAYEXP	16 UTP Power Injector, 16 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, 1U EIA 19 in. rack-mount chassis, 115/230 V AC input, UL Listed (UL 2044), C(UL) Listed

HubWayAv, HubWayDv and HubWayDvi Video Balun/Combiners

ALTRONIX

HubWayAv, HubWayDv or HubWayDvi Video Balun/Combiners are UL Listed accessories to be used with HubWay, HubWayLD and HubSat series. These Altronix passive and active UTP transceiver hubs with integral power route video/data and power from Altronix HubWay, HubWayLD and HubSat units for either 24 V AC or 12 V DC fixed or PTZ indoor or outdoor cameras.

HUBWAYAV
24 V AC/28 V AC video balun/data/power combiner

Anixter No.	Vendor No.	Description
370267	HUBWAYAV	Video balun/combiner for 24 V AC cameras

HUBWAYDV
12 V DC video balun/data/power combiner

Anixter No.	Vendor No.	Description
370268	HUBWAYDV	Video balun/combiner for 12 V DC cameras

HUBWAYDVI
12 V DC video balun/data/power combiner

Anixter No.	Vendor No.	Description
393090	HUBWAYDVI	Video balun/combiner for non-isolated 12 V DC cameras

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Active UTP Transceiver Hub

ALTRONIX

The Altronix HubWayEX16/HubWayEX32 Active UTP Transceiver Hub transmits UTP video and RS-422/RS-485 data over a single Cat 5 or higher structured cable. Unit provides for sixteen or thirty-two cameras in a space-saving 1U EIA 19 in. rack-mount chassis which may be rack-, wall- or shelf-mounted. Video transmission range is up to 1 mile. max. per channel. Units are compatible with fixed or PTZ cameras. An optional HubWayEXP UTP Power Injector can be used to inject power and transmit video from up to four cameras over a single Cat 5 or higher structured cable back to the HubWayEX16/HubWayEX32.

FEATURES

- UL Listed for U.S. and Canadian installations
- Automatic picture and gain control
- Automatic correction for reverse polarity
- Video signal LED indicators
- Illuminated master power switch
- 115 V AC or 230 V AC 50/60 Hz input
- IEC 320 3-wire grounded line cord (detachable)
- Compact 1U rack-mount chassis, fits standard EIA 19 in. rack

Anixter No.	Vendor No.	Description
424124	HUBWAYEX16	Active UTP transceiver hub, video/data up to 1 mile, 4 grouped channels of video, 1U EIA 19 in. rack-mount chassis, 115/230 V AC input, UL Listed (UL 2044), C(UL) Listed
424126	HUBWAYEX32	Active UTP transceiver hub, video/data up to 1 mile, 8 grouped channels of video, 1U EIA 19 in. rack-mount chassis, 115/230 V AC input, UL Listed (UL 2044), C(UL) Listed

Passive UTP Transceiver Hub with Integral Camera Power

ALTRONIX

These remote accessory modules link to HubWay passive and active UTP transceiver hubs and transmit video from up to four cameras over a single Cat 5 structured cable. They provide local power to cameras which eliminates voltage drop due to long cable runs. Unit can be utilized as a standalone passive UTP transceiver hub with integral camera power.

FEATURES

- UL Listed for U.S. and Canadian installations
- Quality video/data transmission up to 750 ft. max per channel
- Individually selectable 24 V AC or 28 V AC power outputs with OFF position
- Compatible with 24 V AC and 12 V DC fixed or PTZ cameras (Use HubWayAv, HubWayDv and HubWayDvi video balun/combiners)
- Power LED indicators
- 115 V AC input

Anixter No.	Vendor No.	Description
393080	HUBSAT4D	4-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 4 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, encl. 8.5 in. H x 7.5 in. W x 3.5 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed
393081	HUBSAT42D	4-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 4 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, encl. 8.5 in. H x 7.5 in. W x 3.5 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes four UL Listed accessory HubWayDv Video Balun/Combiners for 24 V AC cameras
393082	HUBSAT43D	4-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 4 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, encl. 8.5 in. H x 7.5 in. W x 3.5 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes four UL Listed accessory HubWayDv Video Balun/Combiners for 12 V DC cameras
393083	HUBSAT8D	8-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 4 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, encl. 8.5 in. H x 7.5 in. W x 3.5 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed

Anixter No.	Vendor No.	Description
393084	HUBSAT82D	8-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 4 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, encl. 8.5 in. H x 7.5 in. W x 3.5 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes four UL Listed accessory HubWayDv Video Balun/Combiners for 24 V AC cameras
393085	HUBSAT83D	8-channel passive UTP transceiver hub with integral camera power, video/data up to 750 ft., 4 amp total current, individually selectable 24 V AC or 28 V AC PTC Class 2 power limited outputs, encl. 8.5 in. H x 7.5 in. W x 3.5 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed, includes four UL Listed accessory HubWayDv Video Balun/Combiners for 12 V DC cameras

Four Output AC CCTV Power Supplies

ALTRONIX

ALTV244 CCTV Series Power Supplies are designed with four (4) individually fused or PTC protected outputs for powering CCTV cameras and other video accessories.

FEATURES

- Input 115 V AC
- 24 V AC or 28 V AC output
- Four (4) individually fused outputs
- Surge suppression
- For PTC protected outputs, add "CB" at end of part number

Anixter No.	Vendor No.	Description
231034	ALTV244	24 V AC @ 4 amps or 28 V AC @ 3.5 amps
243361	ALTV244175	24 V AC @ 7.25 amps or 28 V AC @ 6.25 amps
231035	ALTV244300	24 V AC @ 14 amps or 28 V AC @ 12.5 amps

Eight Output AC CCTV Power Supplies

ALTRONIX

The ALTV248 CCTV Series Power Supply is designed with eight (8) individually fused or PTC protected outputs to power CCTV cameras and other video accessories.

FEATURES

- Input 115 V AC
- 24 V AC or 28 V AC output
- Eight (8) individually fused outputs
- Surge suppression
- For PTC protected outputs, add "CB" at end of part number

Anixter No.	Vendor No.	Description
231036	ALTV248	24 V AC @ 4 amps or 28 V AC @ 3.5 amps
231037	ALTV248300	24 V AC @ 14 amps or 28 V AC @ 12.5 amps
231038	ALTV248600	24 V AC @ 28 amps or 28 V AC @ 25 amps

Sixteen Output AC CCTV Power Supplies

ALTRONIX

ALTV2416 CCTV Series Power Supplies are designed with 16 individually fused or PTC outputs for powering CCTV cameras and other video accessories.

FEATURES

- Input 115 V AC
- 24 V AC or 28 V AC output
- Sixteen (16) individually fused protected outputs
- Surge suppression
- For PTC protected outputs, add "CB" at end of part number

Anixter No.	Vendor No.	Description
231039	ALTV2416	24 V AC @ 8 amps or 28 V AC @ 7 amps
231040	ALTV2416350	24 V AC @ 14 amps or 28 V AC @ 12.5 amps
274068	ALTV2416600	24 V AC @ 28 amps or 28 V AC @ 25 amps

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Altronix

Thirty-two Output CCTV Power Supplies

ALTRONIX

ALTV2432 CCTV Series Power Supplies are designed with 32 individually fused or PTC protected outputs for powering CCTV cameras and other video accessories.

FEATURES

- Input 115 V AC
- 24 V AC or 28 V AC output
- Thirty-two (32) individually fused outputs
- Surge suppression
- Power switch and indicator
- For PTC protected outputs, add "CB" at end of part number

Anixter No.	Vendor No.	Description
340359	ALTV2432	24 V AC @ 8 amps or 28 V AC @ 7 amps
231042	ALTV2432350	24 V AC @ 14 amps or 28 V AC @ 12.5 amps
274081	ALTV2432600	24 V AC @ 28 amps or 28 V AC @ 25 amps

AC CCTV Power Supplies

ALTRONIX

These Altronix UL Listed, C(UL) Listed CCTV Series power supplies are designed with up to 32 individually fused or PTC protected outputs for power CCTV cameras and other video accessories.

FEATURES

- UL Listed for CCTV
- C(UL) Listed
- Input 115 V AC
- 24 V AC or 28 V AC output
- Surge suppression
- AC power LED indicator
- Illuminated power disconnect circuit breaker with manual reset (except for ALTV244UL, ALTV248UL and ALTV2416ULX)
- Power on/off switch (ALTV244UL, ALTV248UL and ALTV2416ULX)

- For PTC protected outputs, add "CB" at end of part number
- For 3-wire line cord, add a "3" suffix to the part no., e.g. ALTV244UL3

Anixter No.	Vendor No.	Description
240634	ALTV244UL	24 V AC @ 3.5 amps or 28 V AC @ 3 amps, 4 outputs
274072	ALTV244175UL	24 V AC @ 7 amps or 28 V AC @ 6.25 amps, 4 outputs
236720	ALTV248UL	24 V AC @ 3.5 amps or 28 V AC @ 3 amps, 8 outputs
304826	ALTV248175UL	24 V AC @ 7 amps or 28 V AC @ 6.25 amps, 8 outputs
304827	ALTV248300UL	24 V AC @ 12.5 amps or 28 V AC @ 10 amps, 8 outputs
304828	ALTV248300ULM	24 V AC @ 12.5 amps or 28 V AC @ 10 amps, 8 outputs, small enclosure
304830	ALTV248600UL	24 V AC @ 25 amps or 28 V AC @ 20 amps, 8 outputs
236719	ALTV2416ULX	24 V AC @ 7 amps or 28 V AC @ 6 amps, 16 outputs
304831	ALTV2416300UL	24 V AC @ 12.5 amps or 28 V AC @ 10 amps, 16 outputs
304832	ALTV2416300ULM	24 V AC @ 12.5 amps or 28 V AC @ 10 amps, 16 outputs, small enclosure
304833	ALTV2416600UL	24 V AC @ 25 amps or 28 V AC @ 20 amps, 16 outputs
304834	ALTV2432300UL	24 V AC @ 12.5 amps or 28 V AC @ 10 amps, 32 outputs
304835	ALTV2432600UL	24 V AC @ 25 amps or 28 V AC @ 20 amps, 32 outputs

DC CCTV Power Supplies

ALTRONIX

These DC CCTV power supplies provide 6 V DC to 15 V DC distributed via individually fused or PTC protected outputs for powering CCTV cameras and other video accessories.

FEATURES

- UL Listed for CCTV
- C(UL) Listed
- 6 V DC to 15 V DC field selectable output
- AC power LED indicator
- Power on/off switch

- For PTC protected outputs, add "CB" at end of part number
- For 3-wire line cord, add a "3" suffix to the part no., e.g. ALTV615DC4UL3

Anixter No.	Vendor No.	Description
258188	ALTV615DC4UL	6-15 V DC @ 2.5 amps, 4 outputs (use 24 V AC 40 VA or 24 V AC 50 VA plug-in transformer)
304865	ALTV615DC44ULM	6-15 V DC @ 4 amps, small enclosure
258189	ALTV615DC8UL	6-15 V DC @ 4 amps, 8 outputs
304866	ALTV615DC48ULM	6-15 V DC @ 4 amps, 8 outputs, small enclosure
304867	ALTV615DC416UL	6-15 V DC @ 4 amps, 16 outputs
304868	ALTV615DC616UL	6-15 V DC @ 6 amps, 16 outputs

AC Isolated Output CCTV Power Supply

ALTRONIX

CCTV power supplies are specifically designed to power CCTV cameras which are not equipped with internal isolation, however they can operate cameras with built-in isolation as well.

FEATURES

- UL Listed for CCTV
- C(UL) Listed
- Input 115 V AC
- 24 V AC output
- For 3-wire line cord, add a "3" suffix to the part no., e.g. ALTV248ULHI3

Anixter No.	Vendor No.	Description
243365	ALTV248ULHI	24 V AC @ 12.5 amps, 8 isolated outputs @ 1.56 amps each
243366	ALTV2416ULI	24 V AC @ 25 amps, 16 isolated outputs rated @ 1.56 amps each

Eight 24 V AC and Eight 12 V DC Simultaneous Outputs

ALTRONIX

AC/DC dual output power supplies are designed to provide both 12 V DC and 24 V AC outputs where a combination of both AC and DC outputs are required.

FEATURES

- Input 115 V AC
- 24 V AC and 12 V DC outputs
- Surge suppression
- Power on/off switch and indicator

Anixter No.	Vendor No.	Description
231045	ALTV1224C	Eight (8) 24 V AC outputs rated @ 3.5 amps and eight (8) 12 V DC outputs rated @ 3.5 amps
369512	ALTV1224C4	Two (2) 24 V AC outputs rated @ 4 amps and two (2) 12 V DC outputs rated @ 2 amps

AC Rack-mount CCTV Power Supplies

ALTRONIX

These rack-mount CCTV power supplies provide 24 V AC or 28 V AC selectable outputs distributed via eight (8), sixteen (16) or twenty-four (24) outputs for powering CCTV cameras and other video accessories.

FEATURES

- UL Listed for CCTV
- C(UL) Listed
- Input 115 V AC
- Illuminated power disconnect circuit breaker with manual reset
- Removable terminal blocks with locking screw flanges
- Surge suppression
- Individual power LED indicators
- 1U rack-mount chassis designed to fit 19 in. standard rack
- For PTC protected outputs, add 'D' at end of part number

Anixter No.	Vendor No.	Description
424136	VERTILINE8C	24 V AC or 28 V AC @ 5 amps, 8 fused outputs
424163	VERTILINE83C	24 V AC or 28 V AC @ 10 amps, 8 fused outputs
424178	VERTILINE8I	24 V AC or 28 V AC @ 8 amps, 8 isolated fused outputs, 115/230 V AC input
424185	VERTILINE16C	24 V AC or 28 V AC @ 10 amps, 16 fused outputs
424188	VERTILINE166C	24 V AC or 28 V AC @ 14 amps, 16 fused outputs
424192	VERTILINE16I	24 V AC or 28 V AC @ 16 amps, 16 isolated fused outputs, 115/230 V AC input
424195	VERTILINE24C	24 V AC or 28 V AC @ 10 amps, 24 fused outputs
424198	VERTILINE246C	24 V AC or 28 V AC @ 14 amps, 24 fused outputs

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Altronix

DC Rack-mount CCTV Power Supplies

ALTRONIX

These rack-mount CCTV power supplies provide either 12 V DC or 24 V DC outputs distributed via eight (8) or sixteen (16) outputs for powering CCTV cameras and other video accessories.

FEATURES

- UL Listed for CCTV
- C(UL) Listed
- Input 115 V AC
- Illuminated power disconnect circuit breaker with manual reset
- Removable terminal blocks with locking screw flanges
- Surge suppression
- Individual power LED indicators
- 1U rack-mount chassis designed to fit 19 in. standard rack

Anixter No.	Vendor No.	Description
424217	VERTILINE3D	12 V DC @ 8 amps, 8 PTC outputs
424218	VERTILINE6D	24 V DC @ 8 amps, 8 PTC outputs
424219	VERTILINE33D	12 V DC @ 8 amps, 16 PTC outputs
424220	VERTILINE33TD	12 V DC @ 16 amps, 16 PTC outputs
424221	VERTILINE63D	24 V DC @ 8 amps, 16 PTC outputs
424222	VERTILINE63TD	24 V DC @ 16 amps, 16 PTC outputs

Outdoor CCTV Power Supplies

ALTRONIX

Outdoor UL Listed and C(UL) CCTV power supplies. Units feature three (3) PTC protected outputs rated at 2.5 amp each, one (1) fuse protected output rated at 10 amp (WPTV244175UL) or one (1) fuse protected output rated at 15 amp (WPTV244300UL).

FEATURES

- UL Listed for CCTV
- C(UL) Listed
- Input 115 V AC
- Surge suppression
- AC power LED indicator
- Illuminated power disconnect circuit breaker with manual reset

Anixter No.	Vendor No.	Description
304876	WPTV244175UL	4 output outdoor CCTV power supply - 24 V AC @ 7 amps or 28 V AC @ 6.25 amps, three - PTC Class 2 power limited outputs rated @ 2.5 amps and one - fused output rated @ 10 amps, NEMA 4/IP65 outdoor encl. 12 in. H x 8 in. W x 6 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed and CE approved
304877	WPTV244300UL	4 output outdoor CCTV power supply - 24 V AC @ 12.5 amps or 28 V AC @ 10 amps, 3 - PTC Class 2 power limited outputs rated @ 2.5 amps and one - fused output rated @ 15 amps, NEMA 4/IP65 outdoor encl. 12 in. H x 8 in. W x 6 in. D, 115 V AC input, UL Listed (UL 2044), C(UL) Listed and CE approved

Two Output Power Supply/Charger

ALTRONIX

The AL125UL is a power limited power supply/charger that will convert 115 V AC input into two individually PTC protected 12 V DC or 24 V DC outputs. They are intended for use in applications requiring UL listing for access control (UL 294) and applications requiring an interface with Fire Alarm Control Panels (FACP). It must be installed in accordance with national and local electrical codes and regulations.

FEATURES

- UL Listed for access control (UL 294), C(UL) Listed CSFM and MEA approved, NFPA 101 (Life Safety)
- Input 115 V AC
- Selectable 12 V DC or 24 V DC power limited outputs
- Class 2 Rated power limited outputs
- 1 amp total supply current @ 12 V DC or 24 V DC
- Enclosure

Anixter No.	Vendor No.	Description
340418	AL125UL	2 output power supply/charger with fire alarm disconnect - 12 V DC or 24 V DC @ 1 amp, Class 2 power limited outputs, encl. 8.5 in. H x 7.5 in. W x 3.5 in. D, 115 V AC input, UL Listed (UL 294)

Rack-mount Access Power Controller

ALTRONIX

These units distribute and switch power to access control systems and accessories. They convert a 115 V AC input into eight (8) or sixteen (16) independently controlled 12 V DC and/or 24 V DC fuse protected outputs. Outputs are activated by an normally open (NO) or normally closed (NC) dry trigger input from an access control system, card reader, keypad, push button, PIR, etc.

FEATURES

- Sixteen (16) independently selectable Fail-Safe or Fail-Secure power outputs
- Fire alarm disconnect (latching with reset or non-latching) is individually selectable for any or all of the outputs
- Individual output status LEDs located on the front panel
- Built-in battery charger
- Illuminated master power switch
- Factory installed 3-wire line cord

Anixter No.	Vendor No.	Description
369526	MAXIM1R	12 V DC @ 4 amps or 24 V DC @ 3 amps
369654	MAXIM3R	12 V DC or 24 V DC @ 6 amps
369655	MAXIM33R	12 V DC or 24 V DC @ 12 amps

Two Output Power Supply/Charger

ALTRONIX

The AL175UL is a power limited power supply/charger that will convert 115 V AC input into two individually PTC protected 12 V DC or 24 V DC outputs. It is intended for use in applications requiring UL listing for access control (UL 294) and applications requiring an interface with Fire Alarm Control Panels (FACP). It must be installed in accordance with national and local electrical codes and regulations.

FEATURES

- UL Listed for access control (UL 294), C(UL) Listed CSFM and MEA Approved, NFPA 101 (Life Safety)
- Input 115 V AC
- Selectable 12 V DC or 24 V DC power limited outputs
- Class 2 Rated power limited outputs
- 1.75 amps continuous supply current @ 12 V DC or 24 V DC

- Aux relay output
- AC fail supervision
- Enclosure

Anixter No.	Vendor No.	Description
231022	AL175UL	12 V DC or 24 V DC @ 1.75 amp continuous, UL Listed
231023	AL175ULX	12 V DC or 24 V DC @ 1.75 amp continuous, UL Listed. Accommodates up to two (2) 7 Ah batteries

Power Supply/Charger Access Control

ALTRONIX

These UL Listed power supply/chargers convert a 115 V AC input to a 12 V DC or 24 V DC output.

FEATURES

- UL Listed for access control (UL 294), C(UL) Listed, CSFM and MEA approved, NFPA 72 compliant
- 12 V DC or 24 V DC selectable output
- Input 115 V AC
- AC fail supervision
- Low battery and battery presence supervision

Anixter No.	Vendor No.	Description
243296	AL300ULX	12 V DC or 24 V DC @ 2.5 amps continuous, Class 2 Rated (UL 603, UL 294, UL 1069, UL 1481)
228609	AL400ULX	12 V DC @ 4 amps continuous, 24 V DC @ 3 amps, Class 2 Rated (UL 603, UL 294, UL 1069, UL 1481)
231028	AL600ULX	12 V DC or 24 V DC @ 6 amps continuous (UL 294, UL 1481)
243295	AL1012ULX	12 V DC @ 10 amps continuous (UL 294)
258184	AL1024ULX	24 V DC @ 10 amps continuous (UL 294, UL 1481)

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Triple Voltage Power Supply/Charger

ALTRONIX

These Altronix multi-output access control power supply/chargers are specifically designed for use with access control systems requiring 5 V DC, 12 V DC or 24 V DC. They convert a 115 V AC input into three individually regulated power limited outputs.

FEATURES

- UL Listed (AL400UL3 - UL 294, UL 603, UL 1481, AL600UL3 - UL 294, UL 1481), CSFM and MEA approved, NFPA 72 compliant
- Input 115 V AC
- AC fail supervision
- Low battery and battery presence supervision

Anixter No.	Vendor No.	Description
243303	AL400UL3	5 V DC @ 1.75 amps/12 V DC @ 1.75 amps /24 V DC @ 1.5 amps, Class 2 Rated power limited outputs
243305	AL600UL3	5 V DC @ 1.75 amps/12 V DC @ 1.75 amps /24 V DC @ 3 amps, Class 2 Rated power limited outputs (except for 24 V DC)

Five Output Power Supply/Charger with Fire Alarm Disconnect

ALTRONIX

These Altronix multi-output access control power supply/chargers are specifically designed for use with access control systems and accessories. These power supplies convert a 115 V AC input into five individually regulated 12 V DC or 24 V DC power limited outputs. Each output will route power to a variety of access control hardware devices including mag locks, electric strikes, magnetic door holders, etc. These outputs will operate in both Fail-Safe and Fail-Secure modes. Controlled trigger input is achieved through normally open (N.O.) or normally closed (N.C.).

FEATURES

- UL Listed (UL 1481, UL 294) and C(UL) Listed, CSFM and MEA approved, NFPA 72 compliant
- Class 2 Rated power limited outputs
- Input 115 V AC
- Five (5) individual power limited outputs
- Current limit is 2 amps @ 12 V DC or 24 V DC per output
- LEDs indicate condition of power outputs
- Power and input trigger LEDs
- AC fail, DC output, battery fail and battery presence supervision

- Fire alarm panel or access control system trigger inputs
- Power fail supervision relay
- Output relay energizes when unit is triggered

Anixter No.	Vendor No.	Description
240604	AL300ULM	2.5 amps continuous @ 12 V DC or 24 V DC (UL 294, UL 603, UL 1069, UL 1481)
243302	AL400ULM	4 amps continuous @ 12 V DC/3 amps @ 24 V DC (UL 294, UL 603, UL 1069, UL 1481)
243301	AL600ULM	6 amps continuous @ 12/24 V DC (UL 294, UL 1481)
258190	AL1012ULM	10 amps continuous @ 12 V DC (UL 294)
258191	AL1024ULM	10 amps continuous @ 24 V DC (UL 294, UL 1481)

Access Power Controller

ALTRONIX

These units convert one (1) 12 to 24 volt AC or DC input into eight (8) independently controlled fused or PTC protected outputs. These power outputs can be converted to dry Form "C" contacts (ACM8 and ACM8E only). Outputs are activated by an open collector sink or normally open (N.O.) dry trigger input from an access control system, card reader, keypad, push button, PIR, etc. The unit will route power to a variety of access control hardware devices including mag locks, electric strikes, magnetic door holders, etc. Outputs will operate in both Fail-Safe and/or Fail-Secure modes. Units are designed to be powered by one common power source which will provide power for both the board operation and locking devices, or two (2) totally independent power sources, one (1) providing power for board operation and the other for lock/accessory power. The FACP interface enables emergency egress, alarm monitoring or may be used to trigger other auxiliary devices. The fire alarm disconnect feature is individually selectable for any or all of the eight (8) outputs.
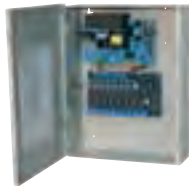
FEATURES

- 12 to 24 volt AC or DC operation (setting not required, .6 amp @ 12 volt, .3 amp @ 24 volt current consumption with all relays energized)
- Power supply input options: a) One (1) common power input (board and lock power) b) Two (2) isolated power inputs (one (1) for board power and one (1) for lock/hardware power)
- Eight (8) access control inputs
- Eight (8) independently controllable outputs
- Eight (8) auxiliary power outputs (unswitched)
- Fire alarm disconnect (latching or non-latching) selectable by output
- Removable terminal blocks facilitate ease of installation

Anixter No.	Vendor No.	Description
231068	ACM8	8-zone access power controller, fused
274069	ACM8E	8-zone access power controller, fused, with enclosure (UL 294)
243299	ACM8CB	8-zone access power supply with PTC
274070	ACM8CBE	8-zone access power controller, PTC, with enclosure (UL 294)

Distributed Access Power Controllers with Power Supplies

ALTRONIX

These Altronix Power Supplies distribute and route power to access control systems and accessories. They will convert a 115 V AC 50/60 Hz input into eight (8) independently controlled fuse or PTC protected class 2 power limited 12 V DC or 24 V DC outputs. These outputs can also be configured as dry Form "C" contacts. Outputs are activated by an open collector sink or normally open (N.O.) dry trigger input from an access control system, card reader, keypad, push button, PIR, etc. The unit will route power to a variety of access control hardware devices including: mag locks, electric strikes, magnetic door holders, etc. Outputs will operate in both Fail-Safe and/or Fail-Secure modes. The FACP Interface enables emergency egress, alarm monitoring or may be used to trigger other auxiliary devices. The fire alarm disconnect function can be configured for the following modes; a) Eight (8) outputs affected. b) four (4) outputs affected and four (4) outputs unaffected (50/50 mode).

FEATURES
- UL Listed for access control (UL 294)
- C(UL) Listed
- Input 115 V AC 60 Hz
- Eight (8) access control inputs
- Eight (8) independently controllable outputs
- Eight (8) auxiliary power outputs (unswitched)
- Fire alarm disconnect (latching or non-latching) selectable by output
- AC input and DC output LED indicators
- AC fail, battery fail and battery presence supervision
- Removable terminal blocks facilitate ease of installation
- For PTC protected outputs add "CB" to end of part number

Anixter No.	Vendor No.	Description
231027	AL400ULACM	4 amps continuous @ 12 V DC/3 amps @ 24 V DC
231029	AL600ULACM	6 amps continuous @ 12/24 V DC
243300	AL1012ULACM	10 amps continuous @ 12 V DC
258185	AL1024ULACM	10 amps continuous @ 24 V DC

6.5 amp / 8 amp / 10 amp NAC Power Extenders

ALTRONIX

These Altronix NAC Power Extenders provide 8 powerful amps of added fire alarm signaling power distributed via four (4) Class B or two (2) Class A supervised output circuits. Equipped with Cooper-Wheelock, System Sensor, Gentex, Faraday and Amseco two-wire horn/strobe sync modes. Allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate. (No sync modules required).

These NAC Power Extenders are extremely cost-effective voltage-regulated remote power supply/battery chargers. They may be connected to any 12 or 24 volt Fire Alarm Control Panel (FACP). Primary applications include Notification Appliance Circuit (NAC) expansion (supports ADA requirements) and will provide auxiliary power to support system accessories. These units deliver regulated and filtered 24 or 12 volt power via four (4) Class B, two (2) Class A or two (2) Class B and one (1) Class A Notification Appliance Circuits. Additionally, a separate 1 amp auxiliary output for four (4) wire smoke detectors. Each output is rated at 2 amps max., and can be independently programmed for Steady, Temporal Code 3 or Strobe Synchronization. All outputs may be programmed for Input to Output Follower Mode (output will follow input. i.e. March Time Input, March Time Output). An individual output of 4 amps is achieved by paralleling 2 outputs. The AL802ULADA in non-alarm condition provides independent loop supervision for Class A and/or Class B FACP NAC circuits. In the event of a loop trouble the FACP will be notified via the AL802ULADA's steered input (input 1 or input 2). In addition, there are common trouble output terminals (NC, C, NO) which are used to indicate general loop/system trouble. A common trouble input is provided for optional NC (normally closed) devices to report trouble to the FACP. Two (2) FACP signaling outputs can be connected to the NAC Power Extender's inputs. These inputs can then be directed to control supervision and power delivery to any combination of the four (4) outputs.

FEATURES
- UL Listed (UL 864, UL 1481), CSFM approved, MEA approved, NFPA 72 compliant
- Input 115 V AC 50/60 Hz
- Selectable 24 V DC or 12 V DC voltage regulated power limited outputs
- Two (2) outputs may be paralleled for more power on an indicating circuit
- Two (2) Class A or two (2) Class B FACP inputs
- Programmable supervised indicating circuit outputs: Four (4) Class B or Two (2) Class A or One (1) Class A and Two (2) Class B
- 2 wire horn/strobe Sync mode allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate
- Signal circuit trouble memory (helps identify intermittent loops problems)
- Temporal Code 3, Steady Mode, Input to Output Follower Mode (maintains synchronization of notification appliances circuit)
- Ground fault detection

Anixter No.	Vendor No.	Description
258187	AL1002ULADA	24 V DC @ 10 amps total power
259417	AL802ULADA	24 V DC @ 8 amps total power
243320	AL602ULADA	24 V DC @ 6.5 amps total power

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6 V DC/12 V DC/24 V DC Power Supply/Charger

ALTRONIX

The AL624 power supply/charger converts low voltage AC input into 6 V DC or 12 V DC @ 1.2 amps or 24 V DC @ 750 mA of continuous supply current. This general purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power.

FEATURES

- 1.2 amp continuous supply current at 6 V DC / 12 V DC or 750 mA continuous supply current at 24 V DC
- Built-in charger for sealed lead acid or gel-type batteries
- PTC battery protection

Anixter No.	Vendor No.	Description
231009	AL624	General purpose power supply

General Purpose Power Supply/Charger

ALTRONIX

These general purpose power supplies have a wide range of applications for access control, security and CCTV system accessories that require additional power.
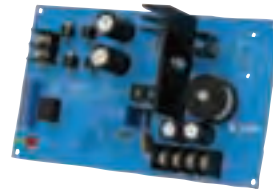
FEATURES

- Built-in charger for sealed lead acid or gel-type batteries
- Battery short circuit protection (circuit breaker)

Anixter No.	Vendor No.	Description
231014	SMP3	2.5 amps @ 6 V DC/12 V DC/24 V DC output
231015	SMP5	4 amps @ 6 V DC/12 V DC/24 V DC output
231016	SMP7	6 amps @ 12 V DC/24 V DC output
231019	SMP10	10 amps @ 12 V DC/24 V DC output

Supervised Power Supply/Charger

ALTRONIX

These supervised power supply/chargers convert a low voltage AC input into 12 V DC or 24 V DC selectable output.

FEATURES

- 12 V DC/24 V DC selectable output
- Built-in charger for sealed lead acid or gel type batteries
- AC fail and low battery supervision

Anixter No.	Vendor No.	Description
243308	PM212	1 amp continuous @ 12 V DC
243309	PM224	0.75 amp continuous @ 24 V DC
243306	SMP3PM	2.5 amps continuous @ 12/24 V DC
243310	SMP5PM	4 amps continuous @ 12/24 V DC
243312	SMP7PM	6 amps continuous @ 12/24 V DC
243313	SMP10PM	12/24 V DC output, 10 amps continuous @ 12/24 V DC
231020	SMP3PMCTX	2.5 amps continuous @ 12/24 V DC, 115 V AC input, with enclosure
231021	SMP5PMCTX	4 amps continuous @ 12/24 V DC, 115 V AC input, with enclosure
231025	SMP7PMCTX	6 amps continuous @ 12/2 4V DC, 115 V AC input, with enclosure
258180	SMP10PMC12X	10 amps continuous @ 12 V DC, 115 V AC input, with enclosure
258181	SMP10PMC24X	10 amps continuous @ 24 V DC, 115 V AC input, with enclosure

Power Booster Modules

ALTRONIX

The Altronix VB1/VB1T converts a 12 V DC-24 V DC input into a regulated 24 V DC output.

FEATURES

- Built-in charger for sealed lead acid or gel-type batteries
- Regulated 24 V DC output

- 0.75 amp of continuous supply current output
- 12 V DC - 24 V DC input
- Built-in overload protection
- Electronically filtered and regulated output
- Power LED
- High-impact insulated housing
- Compact design allows for installation in variety of camera housings

Anixter No.	Vendor No.	Description
424322	VB1	Power Booster converts a 12-24 V DC input to a 24 V DC @ 0.75 amp output, cable assembly
414700	VB1T	Power Booster converts a 12-24 V DC input to a 24 V DC @ 0.75 amp output, spring terminals

Power Regulator Modules

ALTRONIX

Altronix VR modules convert a 24 V AC or 24 V AC or 24 V DC input into a regulated 12 V DC output.

FEATURES

- Regulated 12 V DC output
- Built-in overload protection
- Electronically filtered and regulated output
- Power LED
- High-impact insulated housing
- Compact design allows for installation in variety of camera housings

Anixter No.	Vendor No.	Description
276009	VR1	Power Regulator converts a 24 V AC or 24 V DC input to a 12 V DC @ 1 amp output, cable assembly
380668	VR1T	Power Regulator converts a 24 V AC or 24 V DC input to a 12 V DC @ 1 amp output, spring terminals
424664	VR2T	Power Regulator converts a 24 V AC or 24 V DC input to a 12 V DC @ 0.5 amp output, spring terminals
424668	VR3T	Power Regulator converts a 24 V DC input to a 12 V DC @ 2 amp output, spring terminals
418691	VR4T	Power Regulator converts a 24 V DC input to a 12 V DC @ 3 amp output, spring terminals

Anixter No.	Vendor No.	Description
424670	VR5T	Power Regulator converts a 24 V AC or 24 V DC input to a 12 V DC @ 3 amp output, spring terminals
424672	VR5BT	Power Regulator converts a 24 V AC or 24 V DC input to a 12 V DC @ 3 amp output, battery charging, spring terminals

Relay

ALTRONIX

Anixter No.	Vendor No.	Description
231056	RB5	Relay module - 6 V DC or 12 V DC operation, 120 mA current draw, DPDT contacts rated at 5 amps/220 V AC or 28 V DC
243316	RBS524	Relay module - 24 V DC operation, 40 mA current draw, DPDT contacts rated at 5 amps/220 V AC or 28 V DC
231059	RBSN	Relay module - 12 V DC or 24 V DC operation, 15 mA current draw, DPDT contacts rated at 1 amp/120 V AC or 2 amps/28 V DC
231060	RBSNTTL	Sensitive relay module - 12 V DC to 24 V DC operation, 3 V DC to 24 V DC isolated positive or negative trigger input, 18 mA current draw, DPDT contacts rated at 1 amp/120 V AC or 2 amps/28 V DC
243317	RBTUL	Sensitive relay module - 12 V DC or 24 V DC operation, 3 V DC to 24 V DC positive trigger input, 30 mA current draw, SPDT contact rated @ 1 amp/28 V DC, includes snap track, UL Listed Burglary (UL 749R)
243318	RAC120	Relay and base - 120 V AC operation, 12 mA current draw, DPDT contacts rated at 10 amps/220 V AC or 28 V DC, DIN rail mount, UL recognized
240636	RAC24	Relay and base - 24 V AC operation, 45 mA current draw, DPDT contacts rated at 10 amps/220 V AC or 28 V DC, DIN rail mount, UL recognized

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Programmable Timers

ALTRONIX

The Tempo2 is suitable for applications that require timed operations. A delayed egress feature will trigger a 1 to 60 second door release. Applications include daily/weekly test mode, one shot, door prop alarm, timed door annunciate, cut-off timer, alarm swinger eliminator, etc. Digital display facilitates ease of programming and real-time information.

FEATURES

- 12 or 24 volts AC or DC operation
- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure
- Dry Form "C" contacts are rated @ 2 amp/120 V AC/28 V DC
- LCD displays real-time countdown information
- Current draw: stand-by 15 mA, relay energized 30 mA
- EE PROM memory protects against loss of programming due to power failure
- Simple programming
- One-Shot Features (trigger activated):
  Programmable relay activation at the start or end of the timing cycle
  a. Delayed Pulse Mode: 1 to 60 sec. programmable pulse at the end of timing cycle
  b. Delay Mode: Relay can be programmed to energize or de-energize during timing cycle (Digitally adjust from 1 sec.-24 hours)

Anixter No.	Vendor No.	Description
424692	TEMPO2	Universal two stage timer - adjustable timing range 1 sec.-60 sec. timed door release, daily weekly test mode, one shot activation, door prop alarm

Programmable Timers

ALTRONIX

The PT724A and PT2724 are extremely versatile 24 hour 365 day event timers designed to support a wide range of applications. Such applications include: home and building automation, security, access control, lighting control, etc. The 10 amp Form "C" relay contact provides many latching and/or momentary operations during a program schedule of your choice. Events may be set for single or multiple operations on a daily and/or weekly schedule. Block programming enables repeating an event on any combination of consecutive days.

FEATURES

- 12 to 24 volts AC or DC operation
- Form "C" relay contacts are rated 10 amps @ 120 V AC/28 V DC
- EE PROM memory protects against loss of programming due to power failure
- Accurate crystal-controlled clock
- Momentary and/or latching events
- 50 individually programmed daily/weekly events (per channel)
- Block programming capacity can accommodate a total of 350 events per week (per channel)
- 10 programmable holiday dates (per channel)
- "First man in" option
- Standard or Daylight Savings Time settings
- Automatic compensation for leap year
- Built-in charger for 12 V DC sealed lead acid or gel type batteries
- Lithium battery backup maintains clock (optional)

Anixter No.	Vendor No.	Description
231066	PT724A	1-channel 365 day/24 hr. annual event timer - 12 to 24 volt AC or DC operation, SPDT contact rated at 10 amps/115 V AC/28 V DC, 50 daily/weekly events, 350 weekly block events, 10 holiday exceptions, LCD display, built-in battery charger
231067	PT2724	2-channel 365 day/24 hr. annual event timer - 12 to 24 volt AC or DC operation, two SPDT contacts rated at 10 amps/115 V AC/28 V DC, 100 daily/weekly events, 700 weekly block events, 20 holiday exceptions, LCD display, built-in battery charger

Four Channel Annual Event Timer

ALTRONIX

The AT4 is an extremely versatile 24 hour 365 day event timer designed to support a wide range of applications. Such applications include: home and building automation, security, access control, lighting control, etc. The AT4 is equipped with four independently controlled Form "C" relays that provide multiple latching and/or momentary operations during a program schedule of your choice. Events may be set for single or multiple operations on a daily and/or weekly schedule. Block programming enables repeating an event on any combination of consecutive days.
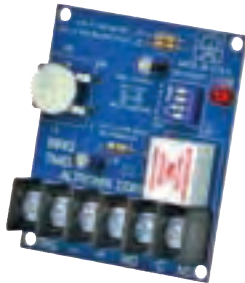
FEATURES

- 12 to 24 volts AC or DC operation
- Four (4) Form "C" relay contacts are rated 10 amps @ 120 V AC/28 V DC
- Each relay operates independently

- EE PROM memory protects against loss of programming due to power failure
- Accurate crystal-controlled clock
- Momentary and/or latching events
- 254 individually programmed daily/weekly events
- Block programming capacity can accommodate a total of 1,778 events per week
- 254 programmable holiday events
- "First man in" option
- Standard or Daylight Savings Time settings
- Automatic compensation for leap year
- Built-in charger for 12 V DC sealed lead acid or gel type batteries
- Lithium battery backup maintains clock

Anixter No.	Vendor No.	Description
259416	AT4	4-channel 365 day/24 hr. annual event timer - 12 to 24 volt AC or DC operation, four SPDT contacts rated at 10 amps/115 V AC/28 V DC, 254 daily/weekly events, 1,778 weekly block events, 254 holiday exceptions, LCD display, built-in battery charger, encl. 12.25 in. H x 7.75 in. W x 4.5 in. D

Multi-purpose Timer

ALTRONIX

The 6062 programmable timer is suitable for many functions that require a timed operation e.g. access control applications, siren/bell cut off module, dialer delay, guard tour supervisory timer, etc. Some optional functions include: one shot, delayed release, delayed operate, delayed pulse and pulser/flasher. A new feature has been added which provides a momentary relay activation at the end of a desired timing cycle. This feature eliminates the need for having to use two (2) timers to achieve this function. Another new feature will cancel (interrupt) timing cycle and reset timer if desired.

FEATURES

- 12 V DC or 24 V DC operation is selectable
- Time range 1 sec. to 60 mins. adjustable
- Form "C" relay contacts are 8 amps at 120 V AC/28 V DC
- Current draw: stand-by 3 mA, relay energized 40 mA
- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure

- Selectable relay activation at the start or end of the timing cycle
- Repeat (pulser/flasher) mode

Anixter No.	Vendor No.	Description
231064	6062	Multi-function timer - 12 V DC or 24 V DC operation, SPDT contacts rated at 8 amps/ 115 V AC, 1 sec. to 60 min. adjustable timing range. One second momentary relay activation at the end of timing cycle

Open Frame Transformer

ALTRONIX

FEATURES

- 24 V AC or 28 V AC/100 VA
- UL/C(UL) recognized
- Use with SMP series power supply/charger

Anixter No.	Vendor No.	Description
338499	T2428100	Transformer - 24 V AC/100 VA (4 amps) or 28 V AC/100 VA (3.5 amps), 115 V AC input, UL/C(UL) recognized
365366	T2428175	Transformer - 24 V AC/175 VA (7.25 amps) or 28 V AC/175 VA (6.25 amps), 115 V AC input, UL/C(UL) recognized
368418	T2428300	Transformer - 24 V AC/300 VA (12.5 amps) or 28 V AC/300 VA (10 amps), 115 V AC input, UL/C(UL) recognized

Open Frame Transformer with Enclosure

ALTRONIX

FEATURES

- 24 V AC or 28 V AC/175 VA
- For CCTV and access control applications

Anixter No.	Vendor No.	Description
367320	T2428100C	Transformer - 24 V AC/100 VA (4 amps) or 28 V AC/100 VA (3.5 amps), encl. 5.625 in. H x 7 in. W x 4.5 in. D, 115 V AC input
340498	T2428175C	Transformer - 24 V AC/175 VA (7.25 amp) or 28 V AC/175 VA (6 amps), encl. 5.625 in. H x 7 in. W x 4.5 in. D, 115 V AC input
424694	T2428300E	Transformer - 24 V AC/300 VA (12.5 amps) or 28 V AC/300 VA (10 amps), encl. 12.5 in. H x 7.75 in. W x 4.5 in. D, 115 V AC input

Power Products

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EnerSys

Genesis NP Batteries

ENERSYS

Sealed construction allows operation in any position without leakage. Maintenance-free. Standard ABS resin housing material, or optional flame-retardant container and cover. Standard one-year warranty. High power density delivers longer run times than other batteries with same footprint.

FEATURES

- Sealed construction
- ABS resin
- Standard terminal
- Standby use is three to five years

4-AMP HOUR, 12 VOLT

Anixter No.	Vendor No.	Description
231791	NP4-12	ABS resin housing material, quick disconnect, 187 terminal
242758	NP4-12FR	Flame retardant container/cover, quick disconnect, 187 terminal 4-amp hour, 12 V

5-AMP HOUR, 12 VOLT

Anixter No.	Vendor No.	Description
240406	NP5-12	ABS resin housing material, quick disconnect, 187 terminal
242759	NP5-12FR	Flame retardant container/cover, quick disconnect, 187 terminal 5-amp hour, 12 V

7-AMP HOUR, 12 VOLT

Anixter No.	Vendor No.	Description
231792	NP7-12	ABS resin housing material, quick disconnect, 187 terminal
242760	NP7-12FR	Flame retardant container/cover, quick disconnect, 187 terminal 7-amp hour, 12 V

12-AMP HOUR, 12 VOLT

Anixter No.	Vendor No.	Description
231793	NP12-12	ABS resin housing material, quick disconnect, 250 terminal 12-amp hour, 12 V

18-AMP HOUR, 12 VOLT

Anixter No.	Vendor No.	Description
231794	NP18-12B	ABS resin housing material, bolt terminal
242761	NP18-12BFR	Flame retardant container/cover, bolt terminal 17.2-amp hour, 12 V

24-AMP HOUR, 12 VOLT

Anixter No.	Vendor No.	Description
231795	NP24-12B	ABS resin housing material, bolt fastened terminal 24-amp hour, 12 V

AlphaCell Batteries

ALPHA TECHNOLOGIES

Alpha offers a wide selection of VRLA-AGM, VRLA-Gel, Flooded Stationary, Nickel Cadmium batteries. AlphaCell batteries incorporate four separate battery technologies ensuring optional performance for your particular application. AlphaCell batteries come with industry-leading warranties, offer some of the longest runtimes and the best longevity in today's demanding outdoor, non-temperature controlled power environments. Battery charges and charge management systems are also available.

FEATURES
- Batteries designed specifically for backup power applications
- Models incorporate different battery technologies based on system requirement

Anixter No.	Vendor No.	Description
166830	181-013-10	VRLA sealed lead acid, 12 V, 34 Ah
169752	181-025-10	VRLA sealed lead acid, 12 V, 17 Ah
422079	1810017	AlphaCell 160AGM, 12 V, 88 Ah
370394	1810039	VRLA lead acid, 12 V, terminal posts, 9 Ah
370395	1810043	AlphaCell 135AGM-P, silver alloy, 12 V, 75 Ah
370396	181-216-10	TG-1265C, AGM, 12 V, 65 Ah
370397	181-213-10	AlphaCell 85GXL-HP silver alloy gel, insert terminal, 12 V, 50 Ah
370398	1810015	AlphaCell 165GXL silver alloy gel, insert terminal, 12 V, 86 Ah
370399	181-230-10	AlphaCell 195GXL silver alloy gel, insert terminal, 12 V, 100 Ah
370400	181-232-10	AlphaCell 195Gold-HP silver alloy gel, insert terminal, 12 V, 100 Ah
370401	181-231-10	AlphaCell 220GXL silver alloy gel, insert terminal, 12 V, 109 Ah
370402	181-233-10	AlphaCell 220GXL-HP silver alloy gel, insert terminal, 12 V, 109 Ah
370403	1810029	AlphaCell 195GXL- ft. silver alloy gel, front terminal, 12 V, 100 Ah

Alpha Solar Power Systems

ALPHA TECHNOLOGIES

Alpha Solar Power Systems provide an additional power source to battery-based backup power systems. Use Alpha Solar Power Systems for traffic, parking or security applications to eliminate the need for running power lines or to work seamlessly with backup systems to keep batteries fully charged.

FEATURES
- Solar power system for off grids or extended back-up power applications
- Pre-engineered, integrated solution
- Rugged control and battery enclosure
- Configurable for DC or AC power requirements

Contact your local sales representative for information on solar system configurations.

Power Products

Protecting Your Security Equipment Against High-voltage Surges

Tech Tips

Protecting Your Security Equipment
Against High-voltage Surges

ITW LINX

Technical Information & Standards

A Lightning Rod of Security

The proliferation of externally mounted IP-based network cameras is increasing the risk of fire, damage or serious injury and death caused by a high-voltage surge event such as an incidental lightning strike or a power line cross. Because the dense charge of positive electrons residing on objects protruding from the earth attracts the negative charge from a lightning strike, outside network cameras on rooftops and light poles become a focal point for the high-voltage discharge, which can easily exceed 5,000 volts. Instead of drawing the charge to the earth, these cameras act as virtual lightning rods, drawing the high-voltage current to the data center or telecom room through the copper cabling infrastructure.

Without proper protection, a 100-volt shock lasting a few nanoseconds can seriously damage or destroy valuable networking equipment. Unlike telephone lines, current standards and codes governing building entrance protection are ambiguous in their requirements for IP-based outdoor network cameras. This lack of installation standardization continues to expose sensitive networking equipment within the building structure to damage from a surge of voltage or current.

The Evolution of Networking Configurations

This threat comes from the evolution of the video surveillance network from a standalone configuration to an integrated system utilizing a single cabling network. In traditional analog video surveillance systems, a single coaxial cable runs from a camera directly back to the video headend. In a networked video surveillance system, all of the IP-based cameras are attached to the same network, which runs back to a telecom room or data center where mission-critical equipment is kept. Although an overvoltage can damage both analog and IP cameras and the equipment to which they are connected, IP video cameras can also cause damage to critical Ethernet network components and infrastructure that resides on the same network.

Best Practices for Safeguarding Network Equipment

To prevent damaging the networking equipment in this scenario, we recommend following Article 800 of the National Electrical Code, which specifies the installation of primary protection for all conductive communications paths entering or leaving a building, but no more than 50 feet past the building entrance. The article recommends using a UL 497 Listed primary protector. Using a solid-state modules rather than a traditional gas-tube module is recommended because of its much faster clamping time during a high-voltage surge event and its increased longevity. Even after multiple surge hits, solid-state modules don't typically need replacing. Lastly, the use of a UL 497A secondary protector will mitigate further risk of equipment damage from voltage surges that were not eliminated using a UL 497 primary protector.

Power Protection and UL, What Does It Mean?

Different UL Listings mean different things for good reasons, safety. The highest UL Listing for surge protection products is UL 497, which can be easily confused with UL 497A and UL 497B. Here is a look at the difference:

UL 497 or Primary Protection: The Primary Protector is used at building entrances and is capable of withstanding the highest level of over-voltage surges, lightning. These devices are required by NEC Article 800 to protect buildings and humans.

UL 497 A or Secondary Protection: The Secondary Protector is located between the building entrance/primary protector and the equipment intended to be protected. These protectors are intended to protect buildings, humans and sensitive electronic equipment.

UL 498 B or Isolated Loop Protection: Isolated Loop Protectors are designed to handle over-voltage events which are introduced within a building. The protected "loop" must not be exposed to the outside world. These protectors are not designed to protect against lightning-type surges but are for low-voltage protection only.

120 volt Critical Load Surge Protector

DITEK

Power surges and spikes can render a life-saving fire alarm system inoperable. Protect your critical systems with the 120S20A power surge protector.

FEATURES

- Series wiring configuration, tested to UL 1449
- Four-stage hybrid design offers maximum performance and protection
- Multiple diagnostics monitor protection status, ground presence, ground fault and fuse status
- Excellent EMI/RFI filtering improves equipment performance
- Meets government and military specs for alarm panels
- Available in 15 or 20 amp models

Anixter No.	Vendor No.	Description
277604	DTK-120S15A	120 volt 15 amp control panel surge protector
305799	DTK-120S20A	120 volt 20 amp fire alarm panel surge protector

120 volt Hardwire Surge Protector

DITEK

For installations that require a circuit breaker, the 120HW is the number one choice to protect fire alarm panels.

FEATURES

- Protects 120 volt power to the alarm panel
- Diagnostic indicator confirms ground presence, unit function and power on
- UL Listed

Anixter No.	Vendor No.	Description
273860	DTK-120HW	120 volt hardwire surge protector

Alarm Panel Dialer Surge Protector

DITEK

Prevent surges via telco lines from damaging your fire alarm panel with the MRJ31XSCP-WP modular surge protector.

FEATURES

- Provides both over-voltage and over-current protection for a single phone line
- Plug-and-play modular RJ31X connection with self resetting fusing
- Patch cord included

Anixter No.	Vendor No.	Description
277605	DTK-MRJ31XSCPWP	Modular RJ31X surge protector with sneak current protection

Universal Low-voltage Line Protector

DITEK

The LVLP Series can handle virtually any voice, data or signal application.

FEATURES

- Ideal protection for "Off Premise" or "At Risk" circuits
- Available in 1-, 2-, 4-, and 8-pair (2-16 wire) configurations, UL Listed
- Screw terminals accept 22-16 AWG or 14-10 AWG (please specify)
- Available in seven voltages (6 V＝D, 14 V＝X, 30 V＝LV, 50 V＝OPX, 75 V＝SPK, 95 V＝SGR, 130 V＝RUV) and with resettable fusing (specify SCP option)

Anixter No.	Vendor No.	Description
259399	DTK-4LVLPD	4-pair terminal strip RS-485 data line surge protector
259401	DTK-1LVLPD	1-pair terminal strip RS-485 data line surge protector
275998	DTK-8LVLPD	8-pair terminal strip RS-485 data line surge protector
277607	DTK-2LVLPD	2-pair terminal strip RS-485 data line surge protector

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Ditek

(continued) Universal Low-voltage Line Protector

Anixter No.	Vendor No.	Description
305805	DTK-1LVLPSCPD	1-pair terminal strip low-voltage surge protector with sneak current protection
305806	DTK-2LVLPSCPD	2-pair terminal strip low-voltage surge protector with sneak current protection
305807	DTK-3LVLPSCPD	3-pair terminal strip low-voltage surge protector with sneak current protection
305808	DTK-4LVLPSCPD	4-pair terminal strip low-voltage surge protector with sneak current protection
305810	DTK-8LVLPSCPD	8-pair terminal strip low-voltage surge protector with sneak current protection

Rack-mount Video Surge Protection

DITEK

Stop surges from destroying your rack-mounted CCTV equipment. Protect your expensive recorders, multiplexers, controllers and other coax connected equipment from power surges with the RM16NM.

FEATURES

- Protects up to 16 video feeds to coax security devices via in/out BNC ports
- Provides 2.8 V clamping on video signal to prevent DVR damage
- Centralization of surge-protected points in a 2U rack panel makes troubleshooting coax connections easier during outages
- Can be rack-mounted in any standard 19 in. rack or cabinet
- Single point grounding

Anixter No.	Vendor No.	Description
273857	DTK-RM16NM	19 in. rack-mountable video protection with BNC connectors, 16 channels, 2.8 V clamping

Three Outlet With Ground Termination Point

DITEK

The 3GTP plug-in surge protector features a ground provision that makes for fast and easy chassis ground installation on phone systems and access control panels.

FEATURES

- Chassis ground lug speeds installation and eliminates ground loops
- Diagnostic LED indicates unit function and ground presence
- Security screw prevents accidental disconnects

Anixter No.	Vendor No.	Description
259403	DTK-3GTP	3 AC outlet with chassis ground provision

RJ21X 25-pair Surge Protector

DITEK

The MT-25 Series blends "state-of-the-art" surge protection with the convenience of "RJ-21X" mass termination.

FEATURES

- Provides overvoltage protection and self-resetting fusing
- Slim line design easily mounts next to 66 block
- "21X" Amphenol connection
- Available in five voltages (14 V＝X, 30 V＝LV, 75 V＝SPK, 95 V＝SGR, or 130 V＝RUV)

Anixter No.	Vendor No.	Description
319097	DTK-MT25PSCPLV	RJ21X 25-pair telco surge protector with sneak current protection

Modular RJ Surge Protector

DITEK

From incoming "CO" lines, to stations, T1, ISDN, RS232 data and more, the "MRJ" series will protect a multitude of different circuits.

FEATURES

- Provides overvoltage protection
- RJ11/RJ14/RJ45 modular in/out connection
- Self resetting fusing (SCP suffix) and (optional) non-fused units
- Available in seven voltages, use suffix (6 V＝D, 14 V＝X, 30 V＝LV, 50 V＝OPX, 75 V＝SPK, 95 V＝SGR, or 130 V＝RUV)

Anixter No.	Vendor No.	Description
305813	DTK-MRJ11SCPD	Modular surge protector - 6 pin 2 wire
305814	DTK-MRJ14SCPD	Modular surge protector - 6 pin 4 wire
305820	DTK-MRJ45SCPD	Modular surge protector - 8 pin 8 wire
306321	DTK-MRJ45C5E	Modular RJ45 (Cat 5e) surge protector - 8 pin 8 wire
306322	DTK-MRJ45DSL	Modular RJ45 (DSL) surge protector - 8 pin 8 wire
306323	DTK-MRJ45C5EGP	Modular RJ45 (Cat 5e) surge protector with ground plug - 8 pin 8 wire

Power Products

Parallel Punch-down 66/110 Block Surge Protector

DITEK

The "P" Series is typically installed punched down on 66 or 110 blocks for incoming telco and building-to-building wire runs.

FEATURES

- Lowest cost per pair for solid-state surge protection
- Available in 1, 2, 4, 6, 8, 12 and 25 pairs
- Flying leads provide connection versatility
- Available in seven voltages, use suffix (6 V＝D, 14 V＝X, 30 V＝LV, 50 V＝OPX, 75 V＝SPK, 95 V＝SGR, or 130 V＝RUV)

Anixter No.	Vendor No.	Description
340551	DTK-1PLV	66 block punch-down surge protector, 1 pair
340552	DTK-2PLV	66 block punch-down surge protector, 2 pair
340553	DTK-4PLV	66 block punch-down surge protector, 4 pair
340554	DTK-6PLV	66 block punch-down surge protector, 6 pair
340556	DTK-8PLV	66 block punch-down surge protector, 8 pair
340557	DTK-12PLV	66 block punch-down surge protector, 12 pair
340558	DTK-25PLV	66 block punch-down surge protector, 25 pair

7-outlet Surge Protector with 600 VA Battery Backup

DITEK

The BU Series UPS incorporates heavy-duty surge protection with an affordable backup power supply.

FEATURES

- Surge protection for power, telephone/modem and (optional) Cat 5
- 600 VA output provides approximately 20 minutes of backup power
- EMI/RFI noise filtering
- RJ45 protection, with shutdown software
- UL Listed

Anixter No.	Vendor No.	Description
418272	DTK-BU600PLUS	7-outlet surge protector with 600 VA battery back-up

Card Reader and Key Pad Surge Protector

DITEK

Your access control system is your first line of defense against unwanted intruders; don't let power surges cause your system to malfunction. Protect card readers and keypads with DITEK's 4LVLPCR access control surge protector.

FEATURES

- Protects all wires leading to the card reader and keypad - power, data, and LED circuits
- Single point grounding
- One model protects 12 or 24 volt card readers
- Compact size allows installation inside most reader boxes

Anixter No.	Vendor No.	Description
259391	DTK-4LVLPCR	Surge protector specific to card reader/keypad application
275997	DTK-3LVLPX	3-pair terminal strip, for 12 V Weigand systems

Digital Recorder Surge Protector

DITEK

Keep your CCTV surveillance system up and running with the revolutionary DRP16 series, a combination of surge protection and UPS in one high-performance unit.

FEATURES

- Four backplane modules available for all CCTV connections
- Dry contacts provide immediate notification of power interruption and activation of battery backup
- Manual "Press-to-Test" battery status button
- Automatic self-diagnostics check the battery, wiring, and surge protection circuitry upon initial start-up
- Protects up to 16 video feeds, four power outputs (two with battery back-up), one RJ45 network port and one RJ11 telco jack

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(continued) Digital Recorder Surge Protector

- Up to 20 minutes of backup power
- Best video signal clamping in the industry
- Optional rack-mount kit (DTK-DRPMBK)

Anixter No.	Vendor No.	Description
273858	DTK-DRP16	DVR surge protector with BNC connections
306351	DTK-DRP16B	DVR surge protector with balun converter - UTP in and BNC out
306356	DTK-DRP16C	DVR surge protector; for use on Coaxitron circuits - BNC connections
306357	DTK-DRP16T	DVR surge protector; for use on twisted-pair video circuits - UTP connections

Dome Camera Surge Protection

DITEK

You may have thousands of feet or more of cable connecting your CCTV or CATV systems. Losing these devices could be catastrophic both in terms of what they cost and what could happen during an equipment blackout. Don't let a power surge black out your CCTV camera surveillance. Protect your sensitive motorized pan/tilt/zoom cameras with the DP4P Series.

FEATURES

- Complete protection for power, video, and two data pairs in one device that mounts easily at the pole base
- 2.8 volt clamping on video signal
- Multi-stage hybrid SAD circuit

Anixter No.	Vendor No.	Description
259394	DTK-DP4P	PTZ camera protection, AC, data and video - BNC connectors
326897	DTK-DP4PTPV	PTZ camera protection, AC, data and video - UTP connectors
275985	DTK-DP4PBP	PTZ camera protection, AC, data and video - UTP to BNC balun converter

Electric Switch Suppressor

DITEK

Prevent power surges that could cause locks to fail. The ESS - electric switch suppressor - protects magnetic locks and access control panels from power surges.

FEATURES

- Installed in pairs - one at the lock and one at the control panel
- Hardwired in parallel connection - surges are dissipated before they can cause any damage
- Passive protection - does not affect your access system
- Compact design fits inside door jamb and control panel

Anixter No.	Vendor No.	Description
259400	DTK-ESS	Surge suppressor for magnetic lock application

Fixed Camera Surge Protection

DITEK

Ideal surge protection for today's high-quality fixed cameras. The PVP series protects 24 V power and video in one compact package.

FEATURES

- Provides protection for power and video conductors
- Eliminates the need for two protectors and two ground wires
- A must for equipment under warranty

Anixter No.	Vendor No.	Description
259393	DTK-PVP27B	Fixed camera, coax and power combination surge suppressor
306364	DTK-PVP27BTPV	Fixed camera, UTP and power combination surge suppressor
319092	DTK-PVP27C	Fixed camera 24 V DC/6.8 V Coaxitron surge suppressor

Low-voltage Protectors for Twisted-pair Video Systems

DITEK

Ensure that your CCTV devices connected via balun to UTP cable don't fall prey to power surges with the TPV Series of low-voltage line protectors.

FEATURES

- Prevents surges from damaging low-voltage cameras and other closed-circuit devices attached to 26-14 AWG twisted pair cabling

- Available in 1-, 2-, and 4-pair models
- Ideal for any low-voltage CCTV equipment linked to a LAN or WAN

Anixter No.	Vendor No.	Description
306367	DTK-1TPV	1-pair terminal strip surge protector for twisted-pair video
275991	DTK-2TPV	2-pair terminal strip surge protector for twisted-pair video
275995	DTK-4TPV	4-pair terminal strip surge protector for twisted-pair video

RS-485/RS-422 Data Surge Protector

DITEK

Protect your voice, data, signal and security equipment from failures due to power surges with Ditek's low-voltage line protectors.

FEATURES

- Ideal for protecting matrix controllers or DVR from induced surges on RS-485 data lines from PTZ cameras
- Available in 1-, 2-, 4- and 8-pair terminal strips for greater installation flexibility
- Available in seven voltages (D=6 V, X=14 V, LV=30 V, OPX=50 V, SPK=75 V, SGR=95 V, RUV=130 V)
- May be installed at the wire entry to your buildings
- Contact your sales representative for additional model numbers

Anixter No.	Vendor No.	Description
259401	DTK-1LVLPD	1-pair terminal strip RS-485 data line surge protector
277607	DTK-2LVLPD	2-pair terminal strip RS-485 data line surge protector
259399	DTK-4LVLPD	4-pair terminal strip RS-485 data line surge protector
275998	DTK-8LVLPD	8-pair terminal strip RS-485 data line surge protector

Heavy-duty Eight Outlet Surge Protector Strip

DITEK

When safeguarding your environment from potential intrusion is a top priority, protect sensitive access control panels from damaging power surges with the 8FF power surge protectors.

FEATURES

- Eight outlets; spacing accommodates up to six transformers
- 1 in / 2 out telephone line protection
- Diagnostic LEDs for ground presence and unit function
- Mounting slots allow for backboard installation

Anixter No.	Vendor No.	Description
273862	DTK-8FF	Eight outlet surge protector strip with 6 foot cord

Modular Phone Line Protection

DITEK

The SL Series is a quick-connect line protector that can be used to protect virtually any analog 66 block application.

FEATURES

- Unique multi-function diagnostic LED shows protection status, continuity and line usage
- Provides overvoltage protection and self resetting fusing
- One pair design allows break-out of multiple voltages on one block
- The new industry standard for protection versatility and ease of installation

Anixter No.	Vendor No.	Description
278155	DTK-SL30A	66 block snap-on 1-pair with sneak current protection, 30 V
278154	DTK-SL50A	66 block snap-on 1-pair with sneak current protection, 50 V
278156	DTK-SL95A	66 block snap-on 1-pair with sneak current protection, 95 V
273859	DTK-SL130A	66 block snap-on 1-pair with sneak current protection, 130 V

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Ditek

Coax Video Surge Protection

DITEK

The VSP Series prevents surges via coax lines from reaching your valuable security cameras, recorders and other monitoring devices. These compact yet durable surge protectors guard against surges and spikes on coax video lines.

FEATURES

- Protects analog or digital video line
- Recommended for installations where power is already protected
- Single and dual line models available

Anixter No.	Vendor No.	Description
273861	DTK-VSPBNCA	Single line CCTV surge protector
275989	DTK-VSPBNCA2	Dual line CCTV surge protector - two inputs
306368	DTK-VSPA	Single line CATV surge protector - F connector
306371	DTK-VSPA2	Dual line CATV surge protector - F connectors
306372	DTK-VSPN	Single line video surge protector - N connector
306373	DTK-VSPNH	Single line video surge protector - N connector - high frequency

Single Outlet Surge Protector

DITEK

The 1F plug-in AC power surge protector is ideal for sensitive burglar alarm panels.

FEATURES

- Security screw prevents accidental disconnect of Class II Transformer
- Diagnostic indicator confirms ground presence, unit function and power on
- Three and six outlet models also available

Anixter No.	Vendor No.	Description
273863	DTK-1F	Single outlet surge protector

In-line Coax Camera Surge Protector

DITEK

No ground? No problem! The IBNC is designed for applications where an extra layer of video protection is neccessary, but a dedicated ground is impossible or impractical.

FEATURES

- Protects coax video lines
- Excess energy is dissipated to cable shielding
- Slim, in-line design provides fast and easy installation inside camera housing

Anixter No.	Vendor No.	Description
275987	DTK-IBNC-28	In-line coax camera surge protector - BNC connectors

Plug-in PC Power and Telco Surge Protector

DITEK

Surges along power and telco lines can damage sensitive burglar alarm panels. Protect your alarm panel with one convenient plug-in surge protector - the 1F31X.
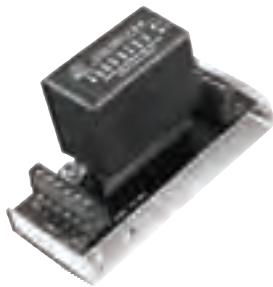
FEATURES

- Designed for residential alarm applications where telco ground is not easily accessible
- Protects telephone dialer and power in one unit
- Diagnostic indicator confirms ground presence, unit function, and power on
- 1-pair in/out screw terminal connection for tip and ring

Anixter No.	Vendor No.	Description
277611	DTK-1F31X	Modular RJ31X surge protector with sneak current protection

Modular Low-voltage Line Protection

DITEK

Electrical surges and spikes can render a life saving fire alarm system inoperable. Loop circuits going from building to building are especially vulnerable to voltage surges from storms or electrical faults. Guard critical SLC, IDC and NAC circuits with the 2MHLP series.

FEATURES

- Two pair series wiring configuration, UL 497B Listed
- Multi-stage, SAD technology, hybrid design provides strength and fast response
- Hardwire mounting base with field-replaceable protection modules
- Available in the following voltages: 5 V, 12 V, 24 V, 36 V, 48 V, 75 V, 130 V (specify 2MHTP)
- Contact your sales representative for additional model numbers

Anixter No.	Vendor No.	Description
319095	DTK-2MHLP24BWB	24 V 2-pair field replaceable surge protector with hardwire base
277610	DTK-2MHLP36BWB	36 V 2-pair field replaceable surge protector with hardwire base
368632	DTK-2MHLP5BWB	5 V 2-pair field replaceable surge protector with hardwire base
340744	DTK-2MHTP	130 V 2-pair field replaceable telco surge protector with hardwire base

Power over Ethernet Surge Protector

DITEK

Power over Ethernet is becoming a favorite installation technique for networked video applications. Protect your access control systems, cameras, VoIP phones, or any PoE application with the MRJPOE surge protector.

FEATURES

- RJ45 in/out, all four pairs are protected
- Multi-stage hybrid SAD design for best protection

- IEEE 802.3 at compliant
- 12-port, 2U rack-mount version also available

Anixter No.	Vendor No.	Description
340745	DTK-MRJPOE	PoE surge protector, protects all four pairs, RJ45 in/out
368633	DTK-RM12POE	12-port, 2U rack-mount Power over Ethernet (PoE) protection

Video Surge Protection

DITEK

The DTK-4VP video protector is ideal for four to eight camera CCTV installations. Each unit protects four BNC video channels at the DVR. The 4VP is a cost-effective surge solution for retail or residential CCTV applications.

FEATURES

- Unique design protects four CCTV video channels with one product
- Ideal for 4-channel DVR systems, or systems with up to four externally mounted cameras
- For nine or more cameras use DTK-RM16NM

Anixter No.	Vendor No.	Description
368634	DTK-4VP	4-channel BNC video protection, 2.8 V clamp

Gigabit Ethernet Surge Protection

DITEK

Power outages, surges and voltage transients on data lines can be deadly to network equipment. Protect circuits that use state-of-the-art Power over Ethernet (PoE) connections with Ditek's rack-mount PoE surge protectors.

FEATURES

- Reduces network equipment downtime and failure from voltage surges
- Protects 12 or 16 RJ45 connected Cat 5e lines in a convenient rack-mount package
- SAD technology provides optimal circuit protection
- Single point ground improves protection and speeds installation

Anixter No.	Vendor No.	Description
368633	DTK-RM12POE	12-port, 2U rack-mount Power over Ethernet (PoE) protection
393654	DTK-RM12C5	12-port, 1U rack-mount Gigabit Ethernet protection
381364	DTK-RM16C5	16-port, 2U rack-mount Gigabit Ethernet protection

ITW Linx

Power Products

SecureLinx Surge Protection for Analog and IP Cameras

ITW LINX

SecureLinx is premier surge protection for all your security, CCTV, access control, fire and alarm equipment. The signal line protection provides complete lightning and surge protection for security cameras. The SecureLinx modules can be used in conjunction with ITW Linx's SurgeGate AC base units or standalone. Solid-state protection provides the fastest response to transient voltages by quickly diverting damaging surges to ground.
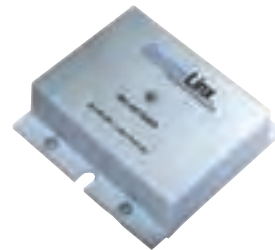
FEATURES

- Solid state protection
- Listed per UL 497 Primary and UL 497 B Isolated Loop
- Lifetime product warranty and up to $10,000 connected equipment warranty
- Use the Cat 5e and Cat 6 protectors between buildings in a campus environment as building entrance protection

Anixter No.	Vendor No.	Description
364207	MSL-PTZ-BNC	Protects four wires data 7.5 V, two wires power 12 V DC/24 V AC, one video 2.8 V 75 ohm BNC in and out
364208	MSL-PTZ-UTP	Protects four wires data 7.5 V, two wires power 12 V DC/24 V AC, two wires UTP video 2.8 V
364209	MSL-PTZ-BAL	Protects four wires data 7.5 V, two wires power 12 V DC/24 V AC, converts 100 ohm UTP to 75 ohm BNC
364210	MSL-CAT5-LAN-RJ45	Protects four-pair Cat 5e UTP 16 V clamping, RJ45 in/out plug-and-play
364211	MSL-CAT5-POE-RJ45	Protects 4-pair Cat 5e UTP for PoE applications, 16 V and 68 V clamping, RJ45 in/out plug-and-play
364212	MSL-CAT6-LAN	Protects 4-pair Cat 6 UTP, 16 V clamping, hardware 110 punch-down in/out
364213	MSL-CAT6-POE	Protects 4-pair Cat 6 UTP for PoE applications,16 V and 68 V clamping, hardware 110 punch-down in/out
304805	MTC-TL1	Protects six wires low-voltage signal line for traffic control, PTZ or access control systems 7.5 V plus 2-wire phone line protection 220 V
400589	MSL-CAT5-24V	Protects 4-pair Cat 5e UTP for video, 16 V clamping and two power pairs
400591	MSL-CAT6-24V	Protects 4-pair Cat 6 UTP for video, 16 V clamping and two power pairs
400592	MSL-24V-POWER	Protects two power pairs using 2 #12 screw termination type

Video Surveillance Protection Modules

ITW LINX

This power/signal protection unit is the perfect choice for protecting video security cameras from damaging lightning and transient voltage surges. All OSP cabling for cameras that enter or leave a building must have a primary surge protector on it to keep the building from catching on fire and harming the people in it. Additionally, any conductive path connected to the equipment is a potential path for a surge and needs to be protected. This product has been custom designed by ITW Linx for Cat 5e and Cat 6 outdoor camera applications.

FEATURES

- Protects two power conductors (1 pair) using 2 #12 AWG screw terminals
- Provides 2-pair Cat 5e and Cat 6 protection without degrading the video signal performance
- 100 percent solid-state protection for fast reliable response to surge events
- Meets TIA/EIA-568 and TIA/EIA-758 for Cat 5e performance
- UL verified Cat 5e primary performance
- Easy installation and single-point ground connection
- Customized and expandable for current and future system requirements
- Can be used with ITW Linx SurgeGate AC base units for additional protection

Anixter No.	Vendor No.	Description
400589	MSL-CAT5-24V	Protects 4-pair Cat 5e UTP for video, 16 V clamping and two power pairs
400591	MSL-CAT6-24V	Protects 4-pair Cat 6 UTP for video, 16 V clamping and two power pairs
400592	MSL-24V-POWER	Protects two power pairs using 2 #12 screw termination type

SurgeGate AC Surge Protection

ITW LINX

The SurgeGate AC Surge Protection Series provides complete protection for small business phone systems from all surges, including lightning. SurgeGate modules, which will protect central office lines, T1/ ISDN lines, digital stations and peripheral devices can be added to the SurgeGate AC base units to keep pace with your phone

systems' growth. ITW Linx offers a lifetime product warranty and up to $50,000 connected equipment warranty on all SurgeGate AC units.

FEATURES

- Patented SurgeGate Plus Circuitry protects against prolonged overvoltages and undervoltages (brownouts) by disconnecting the power to your equipment, then re-connecting it when the power returns to a safe level
- Allows the addition of an unlimited number of SurgeGate phone and data line signal protection modules
- Extra-wide transformer spacing on all outlets and an 8 ft. cord with right-angle plug
- Four switched on/off outlets on each suppressor

Anixter No.	Vendor No.	Description
225693	M8KSU-60	Eight-outlet base unit for small phone systems
239613	M8COM-60	Eight-outlet AC protector for small phone systems; also protects four CO lines, one 10/100BASE-T LAN line and one T1 line
249540	M4KSU	Four-outlet AC protector for small phone systems
249541	M4L	Four-outlet AC protector with 10/100BASE-T LAN protection

RacMAX Rack-mount AC and Cat 5e Surge Protection

ITW LINX

The ITW Linx RacMAX features eight or twelve AC power outlets at 15 amp and 20 amp, front panel circuit breaker, power indicator light and 10 ft. power cord. Fits standard 19 in. equipment racks/cabinets (1U) and offers AC surge protection to provide sensitive electronic equipment with clean and safe power.

Anixter No.	Vendor No.	Description
157026	GRM0600-80	RacMAX - eight rear outlets, 15 amp capacity, 10 ft. power cord and diagnostic lights
249530	RM2500	RacMAX 2500 - 12 AC outlets for power distribution only
249538	RM3400	12 AC outlets (eight rear, four transformer spaced front), 15 amp capacity, on/off switch guard, 3-way mounting option, SurgeGate Plus circuitry
249539	RM3700	RacMAX 3700 - 12 AC outlets (eight rear, four transformer spaced front), 20 amp capacity, on/off switch guard, 3-way mounting option, SurgeGate Plus circuitry
400593	DL-1200-CAT5	DataLinx 1200 - 12 port Cat 5e, UL Listed primary (UL 497) Ethernet protector, 16 V clamping, RJ45 in/out

M2 Direct Plug-in Series

ITW LINX

The M2 Direct Plug-In Series of surge protectors from ITW Linx incorporates surge circuitry filtration and other features in a new sleek design. ITW Linx offers a lifetime product warranty on these M2 products. Visit itwlinx.com for up-to-date warranty information.

FEATURES

- Protect or disconnect circuitry safeguards equipment against all surges. In the event of a catastrophic surge, the M2 Series suppressors completely disconnect the AC power to the connected equipment
- Integrated cable management
- Diagnostic lights indicate both grounded outlet and power protection status
- Wide outlet spacing to accommodate transformers and right-angle plugs
- Wall-mounted compact configuration
- Lifetime product warranty

Anixter No.	Vendor No.	Description
239623	M2	Two-outlet AC protector with protect or disconnect circuitry
128228	M2T	Two-outlet AC protector with signal perfect optimized telephone and DSL line protection

Category 5e 25-pair Protector

ITW LINX

The patented Category 5e 25-pair protector from ITW Linx provides 100 percent solid-state protection to protect network, telecommunications and electronic equipment from transient voltage surges. Protects high-performance 25-pair Cat 5e outside plant cables as well as 110 punch-down Cat 5e UTP cables for LAN/Data, T1/ISDN and IP camera applications, is UL Listed for 497 (primary protector for building entrances) and 497B (isolated loop protection), and exceeds TIA/EIA-758 and TIA/EIA-568-A for Cat 5e. The unit mounts on an 89D bracket and encloses all protection

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Power Products

(continued)   Category 5e 25-pair Protector

parts in a plastic covered housing. Each pair in the module uses the Cat 5e circuit card technology to ensure total protection.

Anixter No.	Vendor No.	Description
206303	ML25-CAT5-LAN	Cat 5e 25-pair building entrance protector - includes base unit, 25 protector cards and grounding hardware, 16 V clamp
265842	ML25-CAT5-235	Cat 5e 25-pair building entrance protector - includes base unit, 25 protector cards and grounding hardware, 235 V clamp
265843	CC-CAT5-16	Package of four, single-pair protection cards (16 V clamping). Use as replacements or in combination with Linx CC-CAT5-235 cards to mix Cat 5e protection with telecommunications protection
265844	CC-CAT5-235	Package of four, single-pair protection cards (16 V clamping). Use as replacements or in combination with Linx CC-CAT5-16 cards to mix Cat 5e protection with telecommunications protection

DataLinx Protected Patch Panels

ITW LINX

The new ITW Linx DataLinx series provides solid-state primary (UL 497) and isolated loop (UL 497B) protection for your LAN, Voice over IP, Video over IP and Power over Ethernet. The DL1200-T1A series is UL Listed secondary (UL 497A) and includes 160 mA overvoltage protection for T1/ISDN lines. ITW Linx offers a lifetime product warranty and up to $5,000 connected equipment warranty on all DataLinx units.

FEATURES

- 12 ports with replaceable 4-port card modules
- 110 punch-down input to RJ45 output
- Power over Ethernet protector meets IEEE 802.3af standard
- Single-height, 19 in., rack-mountable chassis (1U)
- Used between buildings in a campus environment as a building entrance protector
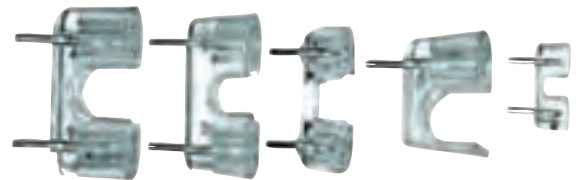
DL-1200 PROTECTED PATCH PANELS

Anixter No.	Vendor No.	Description
262045	DL1200	DataLinx 1200 - 12-port Cat 5e, UL Listed primary (UL 497) Ethernet protector, 16 V clamping, 110 punch-down input/output
265006	DL1200-POE	DataLinx 1200 - 12-port Cat 5e, UL Listed primary (UL 497) Power over Ethernet protector per IEEE 802.3af, 16 V clamping data pairs, 62 V power pairs, 110 punch-down input/output
400593	DL-1200-CAT5	DataLinx 1200 - 12 port Cat 5e, UL Listed primary (UL 497) Ethernet protector, 16 V clamping, RJ45 in/out

DL-1200 REPLACEMENT CARDS

Anixter No.	Vendor No.	Description
266162	DL1200-RC-16	DataLinx replacement card for DL1200
266163	DL1200-RC-POE	DataLinx replacement card for DL1200 PoE per IEEE 802.3af

Tap-in Cable Management Clips

ITW LINX

Securely fasten wires to concrete and other hard surfaces.

Anixter No.	Vendor No.	Description
250578	TA-1	For 2- and 3-pair or ground wire
330704	TA-1LP	Long-pin version of TA-1, for soft or porous materials
250579	TA-5	For quad shielded RG-11 or 25-pair PBX cable
250580	TA-6	For quad shielded RG-11 or 25-pair PBX cable for corners
330705	TA-10	For drop wire
330706	TA-12	For 4-pair cable

Power Products

Standby UPS Systems

TRIPP LITE

Ideal protection for PCs and all peripherals, standby UPS systems feature reliable battery backup and surge, spike and line noise protection.

FEATURES

- USB port and free PowerAlert Software provides automatic, unattended system shutdown
- ECO models feature 99 percent efficiency and outlets that can be configured to automatically power-off idle peripherals saving up to $50 on annual energy costs
- Internet and ECO models include tel/DSL surge protection (not BC350)
- BC Pro models feature tower designs with longer runtime
- Up to $250,000 Ultimate Lifetime Insurance

ECO UPS

Anixter No.	Vendor No.	Capacity VA/Watts	Run Time (Min.) Full/Half Load
396483	ECO350UPS	350/180	3/11
396484	ECO550UPS	550/300	3.5/10
396485	ECO750UPS	750/450	2.5/11

INTERNET OFFICE UPS

Anixter No.	Vendor No.	Capacity VA/Watts	Run Time (Min.) Full/Half Load
355010	BC350	350/180	2.5/8
254396	INTERNET350U	350/180	2.5/8
329672	INTERNET550U	550/300	3/10
331448	INTERNET750U	750/450	4/11

BC PRO UPS

Anixter No.	Vendor No.	Capacity VA/Watts	Run Time (Min.) Full/Half Load
196353	BCPRO600	600/345	7/19
196354	BCPRO1050	1,050/705	7/23
199224	BCPRO1400	1,400/940	8/24

Protect It! Surge Protectors

TRIPP LITE

Protect It! Surge Suppressors feature economical surge, spike and line noise protection for computers and all electronics. Transformer-friendly designs with diagnostic LEDs that signal potential power problems. Lifetime product warranty.

Anixter No.	Vendor No.	Description
355018	TLP606	Six outlets, 6 ft. cord, 720 joules
239714	TLP604TEL	Six outlets, 4 ft. cord, 720 joules, tel/modem protection
241055	SUPER6TEL12	Six outlets, 12 ft. cord, 1,270 joules, tel/modem protection
200107	STRIKER	Seven outlets, 6 ft. cord, 1,080 joules
265891	TLP712	Seven outlets, 12 ft. cord, 1,080 joules
198193	SUPER7	Seven outlets, 7 ft. cord, 2,160 joules
239711	SUPER7TEL15	Seven outlets, 15 ft. cord, 2,520 joules tel/modem protection
241054	TLP808	Eight outlets, 8 ft. cord, 1,440 joules
241052	TLP810NET	Eight outlets, 10 ft. cord, 3,240 joules tel/modem/TV/Ethernet protection

Power Products

SmartPro Advanced Line-interactive Rack-mount UPS Systems

TRIPP LITE

Line-interactive rack-mount protection for servers, security equipment, telecom systems and more. Advanced automatic voltage regulation (AVR) corrects brownouts and overvoltages without consuming battery power. Reliable battery backup plus surge, spike and line noise protection.

FEATURES

- Advanced automatic voltage regulation (AVR)
- Expandable runtime with optional external battery packs (select models)
- High-density, rack-mountable designs offer maximum protection in minimum rack space
- Up to four communications ports and included PowerAlert software provide complete network power management and control
- MOD unit features hot-swappable power module and internal battery pack enables maintenance with zero-downtime
- $250,000 Ultimate Lifetime Insurance covers connected equipment

Anixter No.	Vendor No.	Description	Capacity VA/Watts	Run Time (Min.) Full/Half Load
273248	SMART500RT1U	1U	500/300	5/17
261517	SMART750RM1U	1U	750/450	7/24
245430	SMART1000RM1U	1U	1,000/640	7/15
273250	SMART1000RM2U	2U	1,000/700	9/21
273252	SMART1500RM2U	2U	1,500/1,000	21/7.5
273253	SMART1500RMXL2UA	2U	1,500/1,000	7/20
254392	SMART2200RMXL2U	2U	2,200/1,600	6/16
261522	SMART2600RM2U	2U	2,600/2,100	8/21
226557	SMART3000RM2U	2U	3,000/2,250	8/21
423267	SMART3000RMOD2U	2U	3,000/2,880	4/11
245431	SMART5000RT3U	6U	5,000/4,000	16/38
245432	SMART5000TEL3U	3U	5,000/3,750	8/20

ACCESSORIES

Anixter No.	Vendor No.	Description
279672	2-9USTAND	Pair of adjustable tower stands securely support single or multiple rack-mount UPS and battery packs in 2U to 9U widths
273267	2POSTRMKIT-WM	Kit to mount select 2U, 3U, and 4U UPS systems and batteries in two-post racks (or wall-mount - 2U only)
279749	BP36V15-2U	36 V external battery pack for SMART1500XL
250356	BP48V60RT-3U	48 V, 3U extended-run external battery pack for SMART2200RMXL2U, SMART2600RM2U, SMART3000RM2U, and SMART5000RT3U (expandable via daisy-chaining)
226560	SNMPWEBCARD	Internal management card connects UPS to network and allows UPS monitoring and control via SNMP, Web or telnet

Isobar Rack-mount Surge Suppressors

TRIPP LITE

Premium network-grade surge and line noise protection configurable in 1U rack-mount, wall-mount or under-counter installation.

FEATURES

- Up to three diagnostic LEDs signal potential power problems
- Durable, all-metal housing
- Isolated filter banks eliminate interference between connected equipment (does not include DRS-1215)
- $25,000 Ultimate Lifetime Insurance and lifetime warranty

Anixter No.	Vendor No.	No. of Outlets	Cord Length	Description
155306	IBAR12	12	15 ft.	1,280 joules
245597	IBAR12-20T	12	15 ft.	3,840 joules, 20 A, twist-lock plug
246717	DRS-1215	14	15 ft.	1,050 joules

Smart Advanced Line-interactive Tower UPS Systems

TRIPP LITE

Line-interactive tower protection for servers, security equipment, networks and more. Reliable battery back-up plus AVR, surge, spike and line noise protection.

FEATURES

- Advanced automatic voltage regulation corrects brownouts and overvoltages without consuming battery power
- USB and/or DB9 communications ports and included PowerAlert Software provide complete power network monitoring and control
- $250,000 Ultimate Lifetime Insurance

Anixter No.	Vendor No.	Capacity VA/Watts	Run Time (Min.) Full/Half Load
381506	SMART750	750/450	5.5/16
196356	SMART1050	1,050/705	8/23
254395	SMART1500	1,500/980	7/20

Digital UPS Systems

TRIPP LITE

Tripp Lite Digital UPS Systems feature a large, easy-to-read LCD screen that shows power conditions and UPS operations in real time - ideal for applications requiring frequent power status monitoring. LCD screen rotates to permit easy viewing in tower-, shelf- and rack-mount installations.

FEATURES

- Automatic voltage regulation (AVR)
- USB ports plus FREE PowerAlert Software provides safe unattended system shutdown
- 8 outlets plus tel/DSL, Ethernet and coaxial line surge protection options
- Up to $250,000 Ultimate Lifetime Insurance

Anixter No.	Vendor No.	Capacity VA/Watts	Run Time (Min.) Full/Half Load
338867	OMNI650LCD	650/390	3.5/11
341431	OMNI900LCD	900/475	3/10

Anixter No.	Vendor No.	Capacity VA/Watts	Run Time (Min.) Full/Half Load
338869	SMART1000LCD	1,000/600	3/10
338870	SMART1200LCD	1,200/780	4/12
341437	SMART1500LCD	1,500/900	3.5/13

Power Distribution Units

TRIPP LITE

Improve power distribution, manageability and reliability with multiple AC outlets. Detachable mounting flanges are configurable for wall-mount, under counter or rack-mount installation.

FEATURES

- All metal housing stands up to demanding environments
- Metered models display total power consumption
- AT models feature dual AC inputs and automatic transfer switching to safeguard equipment uptime
- NET models provide remote control of individual outlets
- 0U models can be mounted vertically

Anixter No.	Vendor No.	Description
246721	PDU1215	1U, 13 outlets (1 front, 12 rear), 15 A, 15 ft. cord
246723	PDU1220	1U, 13 outlets (1 front, 12 rear), 20 A, 15 ft. cord
270361	PDU1220T	1U, 13 outlets (1 front, 12 rear), 20 A, 15 ft. cord
345205	PDUMV20	0U, metered, 20 outlets, 20 A, 15 ft. cord
355032	PDUMH20AT	1U, metered, 16 outlets, 20 A, 12 ft. cord
355034	PDUMH15ATNET	1U, metered, 8 outlets, 15 A, 12 ft. cord
355035	PDUMH20ATNET	1U, metered, 16 outlets, 20 A, 12 ft. cord
381567	PDUMV30HVNET	0U, metered, 24 outlets, 30 A, 10 ft. cord

Power Products

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Tripp Lite

SmartOnline Rack-mount/Tower UPS Systems

TRIPP LITE

The best protection available, SmartOnline UPS Systems provide true online protection with pure sine wave output and zero transfer time for mission-critical applications including security equipment. Constant online operation completely isolates sensitive equipment from every power problem on the AC line. Communications ports, SNMP slot and included PowerAlert software manages an entire power network.

FEATURES

- Continuous online operation with pure sine wave output and zero transfer time
- Select models feature hot-swappable design with manual bypass switch for zero downtime, even during UPS maintenance or replacement
- Expandable runtime with optional battery packs
- $250,000 Ultimate Lifetime Insurance

Anixter No.	Vendor No.	Description	Capacity VA/Watts	Run Time (Min.) Full/Half Load
325345	SU750RTXL2U	2U	750/600	4/11
318097	SU1000RTXL2UA	2U	1,000/800	6/18
318098	SU1500RTXL2UA	2U	1,500/1,200	5/17
318099	SU2200RTXL2UA	2U	2,200/1,600	5/14
261521	SU3000RTXL3U	3U	3,000/2,400	6/17
273256	SU3000RTXL3UHV	3U (200 to 240 V only)	3,000/2,400	6/17
304968	SU500RT3UHV	5U (200 to 240 V only)	5,000/3,500	8/20
304975	SU5000RT3U	7U	5,000/3,500	8/20
423395	SU5000RT4UHV	4U	5,000/4,500	3.5/11
423397	SU5000RT4UTF	6U	5,000/4,500	3.5/11
309118	SU6000RT3UHV	6U (200 to 240 V only)	6,000/4,200	15/37
245433	SU6000RT3U	9U	6,000/4,200	15/37
279783	SU10KRT3UHV	6U (200 to 240 V only)	10,000/8,000	4/11

HOT-SWAPPABLE MODULAR MODELS

Independent detachable PDU supplies power during UPS maintenance/replacement, eliminating downtime

Anixter No.	Vendor No.	Description	Run Time (Min.) Full/Half Load
325341	SU5000RT4U	4U, 5,000 VA/3,750 W	8/23
325342	SU6000RT4U	4U, 6,000 VA/4,200 W	9/24
423399	SU6000RT4UHV	4U, 6,000 VA/5,400 W	2/8.5
423798	SU6000RT4UHVHW	4U, 6,000 VA/5,400 W	2/8.5
423799	SU6000RT4UTF	6U, 6,000 VA/5,400 W	2/8.5
423801	SU6000RT4UTFHW	6U, 6,000 VA/5,400 W	2/8.5
354993	SU8000RT3U	6U, 8,000 VA/6,400 W	6/15
354994	SU8000RT3U1TF	8U, 8,000 VA/6,400 W	6/15
325337	SU10000RT3U	6U, 10,000 VA/8,000 W	4/11
325338	SU10000RT3U2TF	10U, 10,000 VA/8,000 W	4/11
381511	SU16000RT4UHW	8U, 16,000 VA/11,200 W	5/12

BATTERY PACKS AND ACCESSORIES

Anixter No.	Vendor No.	Description
354996	BP192V12-3U	192 V, 3U external extended runtime battery pack for SU5000RT4U and SU6000RT4U (expandable via daisy-chaining)
265889	BP240V10RT-3U	240 V external long runtime battery module and cables
381523	BP192V18-4U	192 V, 4U external extended runtime battery pack for SU16000RT4U and SU16000RT4UHW
226560	SNMPWEBCARD	Internal management card connects UPS to network and allows UPS monitoring and control via SNMP, Web or telnet
311437	SUPDM13	Converts SU6000RT3U from hardwire to L6-30P plug/cord set - 240 V
325347	SUPDM56HW	Detachable hardwire power distribution unit for SU5000RT4U and SU6000RT4U only
325348	SUPDM710HW	Detachable hardwire power distribution unit for SU8000 and SU10000 only

Alpha Micro Secure100 Outdoor UPS

ALPHA TECHNOLOGIES

The Alpha Micro Secure Uninterruptible Power Supply (UPS) for outdoor backup power applications provides constant, reliable backup power in a compact NEMA 3R enclosure. The unit is wall mountable or pole mounted with optional pole mounting kit.

FEATURES

- 100 VA/W UPS
- Outdoor rated enclosure NEMA 3R
- Double output - 120 V AC/24 V AC
- Wide automatic voltage regulation range
- Communication via RS-232 port or optional Ethernet SNMP interface
- 230 V AC/50 Hz models available

Anixter No.	Vendor No.	Description
335664	017-220-23	MicroSecure100, 120 V AC input and 24 V AC / 120 V AC output, 24 V DC battery
370328	017-220-29	MicroSecure100, 120 V AC input and 24 V AC / 120 V AC output, 24 V DC battery, SNMP
357734	740-751-21	Pole mounting kit, required for pole-mount installation

Alpha Micro300-1000 Outdoor UPS

ALPHA TECHNOLOGIES

The Alpha Micro uninterruptible power supply (UPS) for outdoor backup power applications provides constant, reliable backup power in a compact NEMA 3R (outdoor rated) enclosure. The Micro UPS can be installed in either wall-mount or pole-mount environments or with the optional ground mounting kit. The battery capacity and runtime of the Micro can be increased by ordering the XL model or ordering the XL3 extension to add to the XL.

Batteries and battery cables need to be ordered and are based on application requirements.

FEATURES

- 300 VA/W and 1,000 VA/W UPS
- Outdoor rated enclosure NEMA 3R
- Wide automatic voltage regulation range
- Communication via RS-232 port or optional Ethernet SNMP interface
- Temperature compensated battery charging
- Expandable battery capacity
- 230 V AC/50 Hz models available

Anixter No.	Vendor No.	Description
422034	017-237-25	Micro300, 120 V AC input / 120 V AC output, 24 V DC battery
422035	017-237-26	Micro300, 120 V AC input / 120 V AC output, 24 V DC battery, SNMP
422037	017-237-68	Micro300XL, 120 V AC input / 120 V AC output, 24 V DC battery
422038	017-237-71	Micro300XL, 120 V AC input / 120 V AC output, 24 V DC battery, SNMP
422039	017-239-54	Micro1000, 120 V AC / 120 V AC output, 48 V DC battery
422044	017-239-53	Micro1000, 120 V AC input / 120 V AC output, 48 V DC battery, SNMP
422045	017-239-50	Micro1000XL, 120 V AC input / 120 V AC output, 48 V DC battery
422046	017-239-49	Micro1000XL, 120 V AC input / 120 V AC output, 48 V DC battery, SNMP

Requires batteries and battery cable kit with each system. Minimum 2 x 12 V DC for Micro300 and 4 x 12 V DC for Micro1000.

Power Products

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Alpha Technologies

Alpha FXM Outdoor UPS Module

ALPHA TECHNOLOGIES

The Alpha FXM uninterruptible power supply (UPS) module provides clean, reliable power management for applications requiring a ruggedized UPS designed to operate in extreme hot or cold climates. The automatic voltage regulator (AVR) provides power stability for unpredictable environments and constant voltage during varied power conditions. The FXM instantly switches to emergency backup power during power failures or power interruptions.

Batteries, battery cables and an outdoor rated enclosure need to be ordered and are based on application requirements.

FEATURES

- 650, 1,100 and 2,000 VA UPS modules
- Rugged, robust design for outdoor environments
- Wide automatic voltage regulation range
- Communication via RS-232 port or optional Ethernet SNMP interface
- Temperature compensated battery charging
- Programmable dry contact relays
- Event and alarm logging
- 230 V AC/50 Hz models available

Anixter No.	Vendor No.	Description
370388	017-234-21	FXM650, 120 V AC input / 120 V AC output, 24 V DC battery
370389	017-234-31	FXM650, 120 V AC input / 120 V AC output, 24 V DC battery, SNMP
370390	017-230-21	FXM1100, 120 V AC input / 120 V AC output, 48 V DC battery
370391	017-230-23	FXM1100, 120 V AC input / 120 V AC output, 48 V DC battery, SNMP
370392	017-232-29	FXM2000, 120 V AC input / 120 V AC output, 48 V DC battery
370393	017-232-31	FXM2000, 120 V AC input / 120 V AC output, 48 V DC battery, SNMP, with FXM communication module
422070	740-697-21	Rack-mount kit for FXM1100/2000
422073	740-697-22	Rack-mount kit for FXM650

Requires batteries and battery cable kit with each system. Minimum 2 x 12 V DC for FXM650 and 4 x 12 V DC for FXM1100/2000.