CITEL

Reliability in Surge Protection

SURGE PROTECTION for Security Systems

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Almost all equipment used in security system is based on an integrated circuit (IC) that is highly susceptible and vulnerable to switching surges and lightning strikes.

If these systems are damaged by a transient, then the entire protection strategy could be compromised.

The cost of fully protecting a security system is limited and provides peace of mind that your system will be operational when you need it most.

CCTV CAMERAS

FIRE ALARM

SECURITY ROOM

ACCESS CONTROL

CITEL

Surge protectors for CCTV cameras

Combined CCTV surge protectors

The MSP-VM-2P series is designed to protect Pan Tilt Zoom security cameras connected to a CCTV network from transient over-voltages. It is a triple protection for video signal, 24 V or 230 Vac power supply and RS485 data signal lines.

Technical data	MSP-VM24-2P	MSP-VM230-2P
Nominal video line voltage	6 Vdc	6 Vdc
Nominal data line voltage	8 Vdc	8 Vdc
Nominal power line voltage	30 Vac/Vdc	255 Vac
Nominal discharge current (In) *8/20µs impulse - 10 times*	5kA/10kA (video)	5kA/10kA (video)

BNC surge protectors

This surge protector is designed to protect a single BNC coaxial line and can be used in multiline configuration in the RAK 16-BNC panel

Technical data	CXC06-B/FM
Maximal line voltage	6 Vdcw
Nominal discharge current (In) *8/20µs impulse - 10 times*	10 kA
Connectors	BNC Female/Male

BNC surge protectors

Technical data	DIN-BNC
Nominal voltage line (DC)	6 Vdc
Nominal discharge current (In)	300 A
Connectors	BNC Female/Female

Video Balun surge protectors

UTPB-1 series is a single channel video balun with surge protection. They are used to interface DVR's, CCTV cameras and multi-plexers.

Technical data	UTPB-1	UTPB-1J
Transmission signal	1 channel	1 channel
Transmission distance	up to 600 m	up to 600 m
UTP surge protection *(common mode)*	4 kV	4 kV
Coaxial surge protection *(common mode)*	4 kV	4 kV
Connectors	BNC-male 2 wires screw terminal	BNC-male jumper 2 wires screw terminal

CAT6 surge protectors

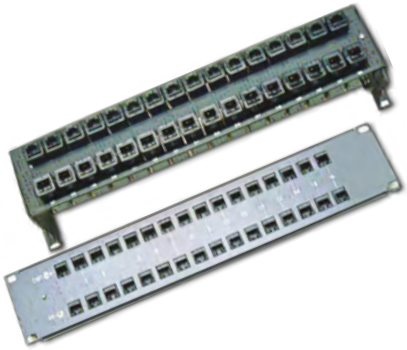
Technical data	DIN-E-C6
Maximal line voltage	7.5 Vdc
Nominal discharge current (In)	400 A
Connectors	RJ45/RJ45

CAT5 and POE surge protectors

Technical data	MJ8-POE-A	MJ8-POE-B	MJ8-CAT5E
Maximal line voltage	60 Vdc	7.5 Vdc (1,2,3,6) 60 Vdc (4,5,7,8)	8 Vdc
Nominal discharge current (In) *(line/ground @ 8/20µs)*	2 kA	2 kA	2kA
Connectors	Shielded RJ45	Shielded RJ45	Shielded RJ45

Surge protectors for Control Rooms

19” rack protectors



Technical data	RAK16-BNC	RAK16-E-C6	RAD16-POE-A
Number of ports	16	16	16
Maximum line voltage	7.5 Vdc	7.5 Vdc	60 Vdc
Nominal discharge current	300 A	400 A	300 A
Connectors	BNC	RJ45	RJ45

Surge protectors for Access Control and Fire Alarm System

AC surge protectors

Technical data	DS240-230/G	DS440-230/G	MSB10-400
AC network	230 V	230 V	230 V
Configuration	Single-phase	3-phase +N	Single-phase
Max. operating voltage	255 V	255 V	255 V
Nominal discharge current	20 kA	20 kA	2.5 kA
Maximum discharge current	40 kA	40 kA	10 kA
Wiring	Screw terminal	Screw terminal	Screw terminal
Mounting	DIN rail	DIN rail	Wall
Remote signalling	Option	Option	No

DC surge protectors

Technical data	DS220-12DC	DS220-24DC	DS230-48DC
Nominal DC voltage	12 Vdc	24 VdC	48 Vdc
Max. operating voltage	24 Vdc	38 VdC	65 Vdc
Nominal discharge current	10 kA	10 kA	20 kA
Maximum discharge current	20 kA	20 kA	30 kA
Wiring	Screw terminal	Screw terminal	Screw terminal
Mounting	DIN rail	DIN rail	DIN rail
Remote signalling	Option	Option	Option

DC surge protectors

Technical data	DLA-06D3	DLA-12D3	DLA-24D3	DLA-48D3
Typical application	RS422/RS485	RS232	4-20mA	48 V line
Configuration	1pair+shield	1 pair+shield	1 pair+shield	1 pair+shield
Nominal line current	6 V	12 V	24 V	48 V
Max. line current	300 mA	300 mA	300 mA	300 mA
Nominal discharge current	5 kA	5 kA	5 kA	5 kA
Maximum discharge current	20 kA	20 kA	20 kA	20 kA
Mounting	DIN rail	DIN rail	DIN rail	DIN rail

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