



CITEL

SURGE PROTECTORS

FOR

Security systems

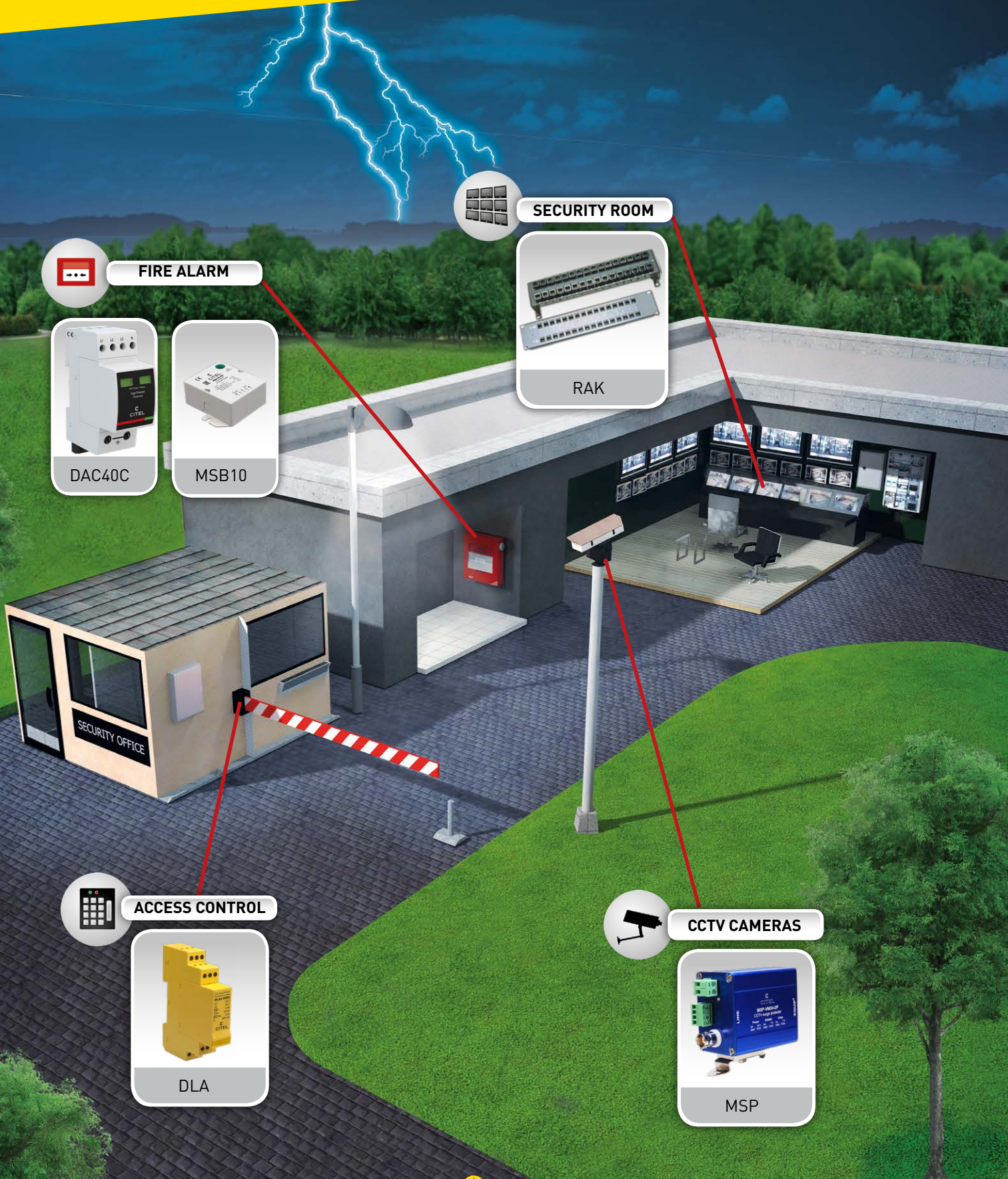


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The equipment used in your manufacturing facilities are very sensitive and vulnerable to lightning and switching surges.

If these systems are damaged by a transient, then the entire protection strategy could be compromise : surge protection is highly recommended.

The cost of fully surge protecting an industrial plant is limited and provides peace of mind that your system will be operational when you need it most.



FIRE ALARM



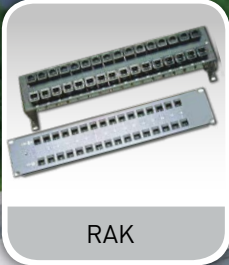
DAC40C



MSB10



SECURITY ROOM



RAK



ACCESS CONTROL



DLA



CCTV CAMERAS



MSP

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 overvoltages. It is a triple protection for video signal, 24 V or 230 Vac power supply and RS485 data signal lines.



CITEL model	MSP-VM24-2P	MSP-VM230-2P
Max. video line voltage	6 Vdc	6 Vdc
Max. data line voltage	8 Vdc	8 Vdc
Max. power line voltage	30 Vac/Vdc	255 Vac
Nominal discharge current (In) <i>8/20µs impulse - 10 times</i>	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



CITEL model	CXC06-B/FM
Max. line voltage	6 Vdc
Nominal discharge current (In) <i>8/20µs impulse - 10 times</i>	10 kA
Connectors	BNC Female/Male



BNC SURGE PROTECTORS



CITEL model	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 multiplexers.



CITEL model	UTPB-1	UTPB-1J
Transmission signal	1 channel	1 channel
Transmission distance	up to 600 m	up to 600 m
Isolation voltage	4 kV	4 kV
Connectors	BNC-male 2 wires screw terminal	BNC-male jumper 2 wires screw terminal



CAT6 SURGE PROTECTORS



CITEL model	DIN-E-C6
Max. line voltage	7.5 Vdc
Nominal discharge current (In)	400 A
Connectors	RJ45/RJ45



CAT5 AND POE++ SURGE PROTECTORS

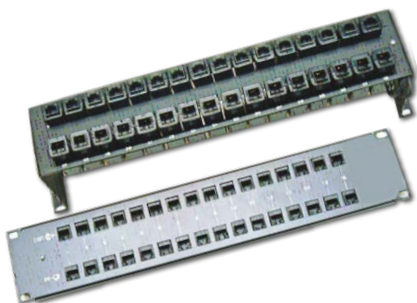


CITEL model	MJ8-POE-A	MJ8-CAT5E
Max. line voltage	60 Vdc	8 Vdc
Nominal discharge current (In) <i>(line/ground @ 8/20µs)</i>	2 kA	2kA
Connectors	Shielded RJ45	Shielded RJ45

SURGE PROTECTORS FOR CONTROL ROOMS



19" RACK SURGE PROTECTORS



CITEL model	RAK16-BNC	RAK16-E-C6	RAK16-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



CITEL model	DAC40C-11-275 1-phase	DAC40C-31-275 3-phase	MSB10-400
AC network	230 V	230 V	230 V
Configuration	Single-phase	3-phase +N	Single-phase
Max. operating voltage	275 V	275 V	255 V
Nominal discharge current	20 kA	20 kA	3 kA
Maximum discharge current	40 kA	40 kA	10 kA
Wiring	Screw terminal	Screw terminal	Wires
Mounting	DIN rail	DIN rail	Wall/Flange
Remote signalling	Option	Option	No



DC SURGE PROTECTORS



CITEL model	DDC20C-20-24	DDC20C-20-38	DDC30C-20-65
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



DATALINE SURGE PROTECTORS



CITEL model	DLA-06D3	DLA-12D3	DLA-24D3	DLA-48D3
Typical application	RS422	RS232/RS485	4-20mA	48 V line
Configuration	1 pair+shield	1 pair+shield	1 pair+shield	1 pair+shield
Nominal line voltage	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



Head office

France
Tél. : +33 1 41 23 50 23
e-mail : contact@citel.fr
Web : www.citel.fr

Factory

Reims
Tél. : +33 3 26 85 74 00
e-mail : contact@citel.fr

Germany

Bochum
Tél. : +49 234 54 72 10
e-mail : info@citel.de
Web : www.citel.de

USA

Miramar
Tel : (954) 430 6310
e-mail : info@citel.us
Web site : www.citel.us

China

Sales department
Shanghai
Tél. : +86 21 58 12 25 25
e-mail : info@citelsh.com
Web : www.citel.cn

Factory

Tél. : +86 21 58 12 80 67

Russia

Moscou
Tél. : +7 499 391 47 64
e-mail : info@citel.ru
Web : www.citel.ru

India

New Delhi
Tél. : +91 11 2626 12 38
e-mail : indiacitel@gmail.com
Web : www.citel.in

Thailand

Bangkok
Tél. : +66 (0) 2 104 9214
Web : www.citel.fr