



CITEL

■■■ Reliability in Surge Protection ■■■

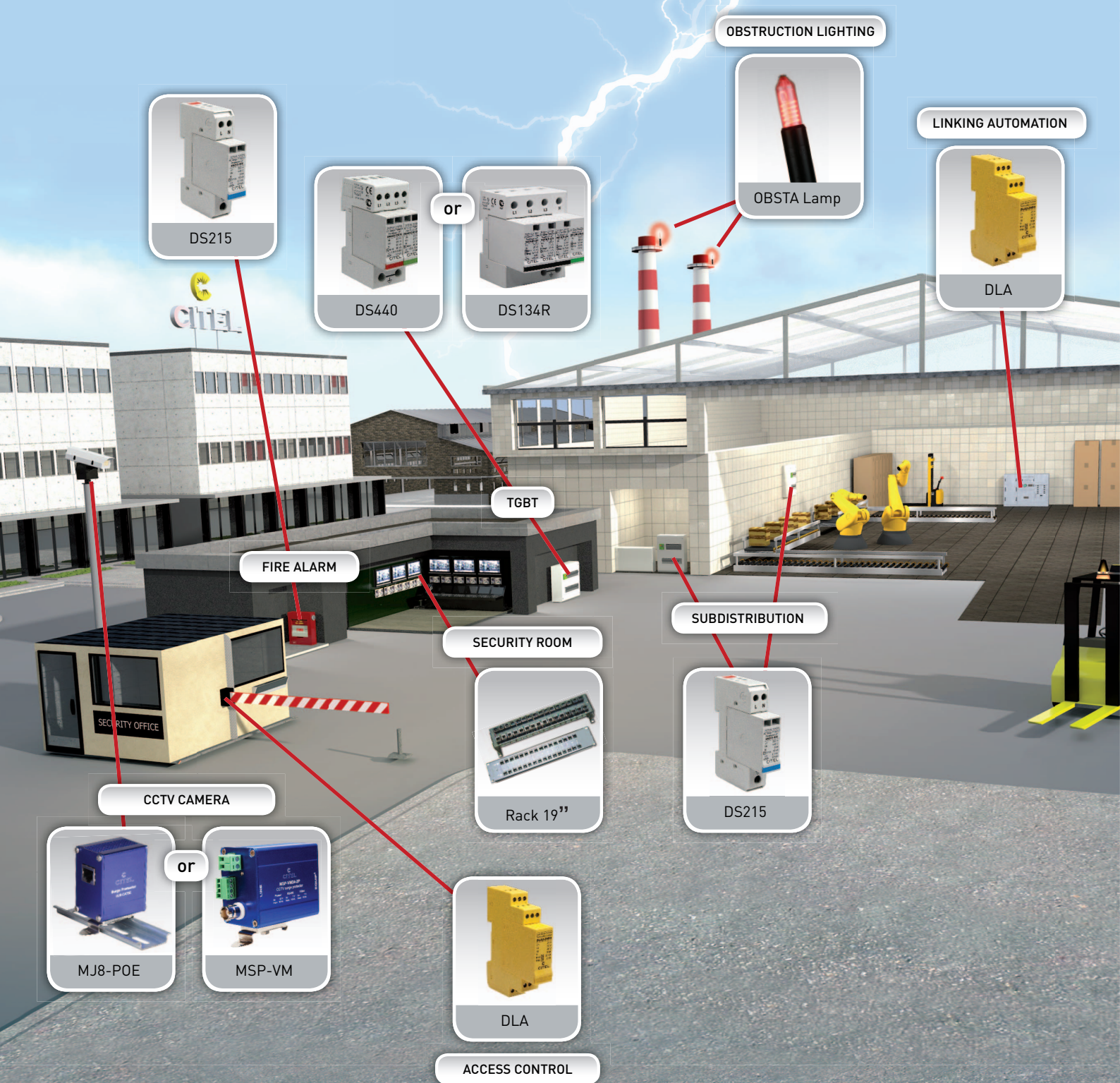
Surge Protection for Industrial sites



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

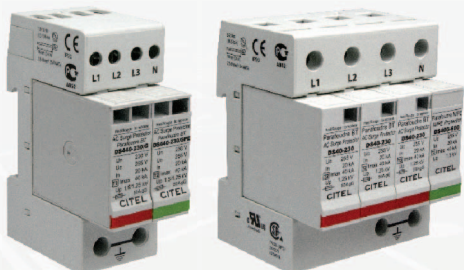
If these systems are damaged by a transient, then the entire protection strategy could be compromise : surge protection is highly recommended.

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.



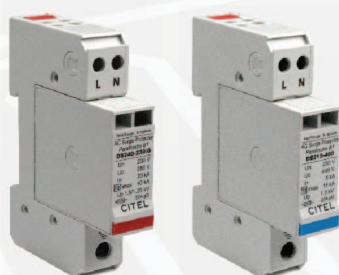
AC Surge Protectors

3-phase Type 2 surge protectors



Citel range	DS440-230/G	DS44-230/G
3-phase network	230/400 V	230/400 V
SPD Configuration	3-phase+N	3-phase+N
Max. AC operating voltage	255 V	255 V
Nominal discharge current	20 kA	20 kA
Maximal discharge current	40 kA	40 kA
Connection	Screw terminal 25 mm ² max	Screw terminal 25 mm ² max
Mounting	DIN Rail	DIN Rail
Dimensions (width)	36mm	72mm
Remote signaling	Option	Option

single-phase Type 2 surge protectors



Citel range	DS240-230/G	DS215-230/G
Single-phase network	230 V	230 V
SPD Configuration	Single-phase	Single-phase
Max. AC operating voltage	255 V	255 V
Nominal discharge current	20 kA	5 kA
Maximal discharge current	40 kA	10 kA
Connection	Screw terminal 10 mm ² max	Screw terminal 10 mm ² max
Mounting	DIN Rail	DIN Rail
Dimensions (width)	18mm	18mm
Remote signaling	Option	Option

3-phase Type 1 surge protectors



Citel range	DS134R-230/G	DS134VG-230/G
Single-phase network	230/400 V	230/400 V
SPD Configuration	3-phase+N	3-phase+N
Max. AC operating voltage	255 V	255 V
Nominal discharge current	20 kA	20 kA
Lightning current 10/350μs	12,5 kA	12,5 kA
Connection	Screw terminal 25 mm ² max	Screw terminal 25 mm ² max
Mounting	DIN Rail	DIN Rail
Dimensions (width)	72mm	72mm
Remote signaling	Option	Option



Surge protectors for CCTV cameras and fire alarms

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.



Citel range	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) 8/20µs impulse - 10 times	5kA/10kA (video)	5kA/10kA (video)

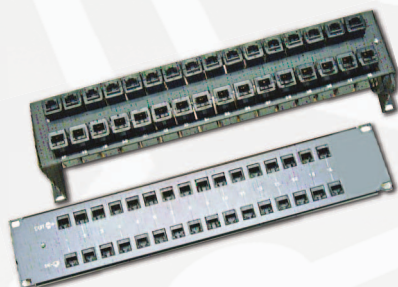
POE surge protectors



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

Surge protectors for Control Rooms

19" rack surge protectors



Référence CITEL	RAK16-BNC	RAK16-E-C6	RAK16-POE-A
Type of line	Vidéo BNC	Éthernet Cat. 6	Éthernet POE
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 Data network

Dataline surge protectors



Technical data	DLA-06D3	DLA-12D3	DLA-24D3	DLA-48D3
Typical application	RS422	RS232/RS485	4-20mA	48 V line
Configuration	1pair+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

OBSTA Obstruction lighting

OBSTA HI STI, STI y STIF obstruction lights



CITEL	HI STI	STI 48V	STI 24V	STIF
Part number	13110	13200	13300	13410
Characteristics				
Input voltage	110 V AC to 240 V AC	48 VDC	24 VDC	12 VDC
Surge protection	Yes	Yes	Yes	Yes
Alarm indicator	Yes	Yes	Yes	Yes
Luminous intensity	> 35 candélas	> 10 candelas	>10 candelas	> 10 candelas
Current drawn	370 up to 730 mA	250 mA	500 mA	500 mA
Power consumption	45 W	12 W	12 W	6 W
Life time	100 000 h.*	100 000 h.*	100 000 h.*	100 000 h.*
Regulations	ICAO and FAA	ICAO	ICAO	ICAO and FAA

[*] : lifetime based on 50 years experience in this technology.

Options : Fixing brackets ; Junction box and monitoring box ; Shielded cable ; Photocell 24V CC, 48V CC or 240V AC ; Battery cabinet; Solar station.



CITEL

■■■ Reliability in Surge Protection ■■■

Head office

CITEL-2CP

2, rue Troyon
92316 Sèvres CEDEX
France
Tél. : +33 1 41 23 50 23
Fax : +33 1 41 23 50 09
e-mail : contact@citel.fr
Web : www.citel.fr

Factory

CITEL-2CP

3 impasse de la Blanchisserie
BP 56
51052 Reims CEDEX
France
Tél. : +33 3 26 85 74 00
Fax : +33 3 26 85 74 30

Germany

CITEL Electronics GmbH

Alleestrasse 144, Tor 5
D-44793 Bochum
Germany
Tél. : +49 234 54 72 10
Fax : +49 234 54 72 199
e-mail : info@citel.de
Web : www.citel.de

USA

CITEL Inc.

11381 Interchange Circle South
Miramar, FL33025
USA
Tel : (954) 430 6310
Fax : (954) 430 7785
e-mail : info@citel.us
Web site : www.citel.us

China

Shanghai Citel Electronics Co.,Ltd

499 Kang Yi Road
Kang Qiao Industrial Zone
201315 Pudong, Shanghai
P.R. CHINA
Tél. : +86 21 58 12 25 25
Fax : +86 21 58 12 21 21
e-mail : shanghai@citel2cp.com
Web : www.citel.cn

Czech Republic CITEL ELECTRONICS

Kundratka 17A
18000 Praha
Czech Republic
Tél. : +420 284840-395
Fax : + 420 284840-195
e-mail : citel@citel.cz
Web : www.citel.cz

Russia

CITEL RUSSIA

Bolchaya Pochtovaya Str 26B/1
RU-105082 Moscow
Russia
Tél. : +7 495 669 32 70
e-mail : info@citel.ru
Web : www.citel.ru

India

CITEL INDIA

A - 54 - South Extension, Part-II
New Delhi - 110049
India
Tél. : +91 11 2626 12 38
e-mail : indiacitel@live.in
Web : www.citel.in

BR130901 - Document could be modified without notice