

Code: OPV-1S

## VIDEO OVERVOLTAGE LIMITER **OPV-1S** SYMMETRIC LINE

Net: **3.28 EUR** Gross: **4.03 EUR**

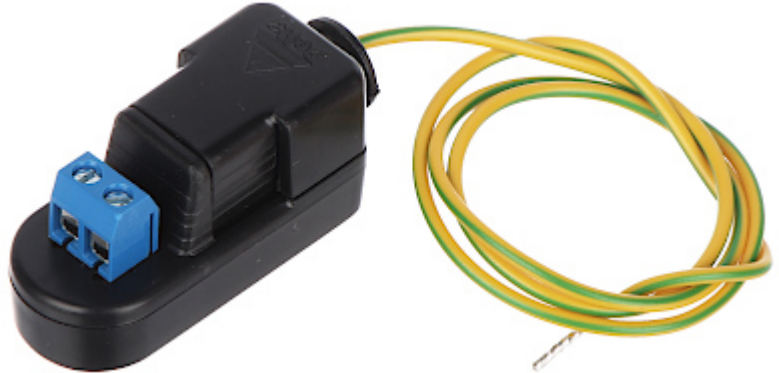
Our statistics collected from many years of service show that about 25 percent of damages of electronic equipment was caused by overvoltages. The OPV-1S overvoltage limiter effectively protects signal line carrying away the stroke current to the ground, due to above provides adequate overvoltage protection for electronic devices.

Device is designed for applications with differential video signal transmission via twisted-pair cable. The OPV-1S does not affect signal quality and is a passive device, no supplying is required. Ultra-high-speed switching diodes of large admission power have been applied in the device. If there is a voltage over 2.4V between the signal line and the ground, the diodes will short close the circuit instantly, eliminating the device damage. The OPV-1S can be also used to digital recorders and capture cards protection.

**ATTENTION!** Before installation please read the following instructions.

The OPV-1S should be connected to good quality grounding installation.

The limiter should be placed as near as possible to the guarded appliance.



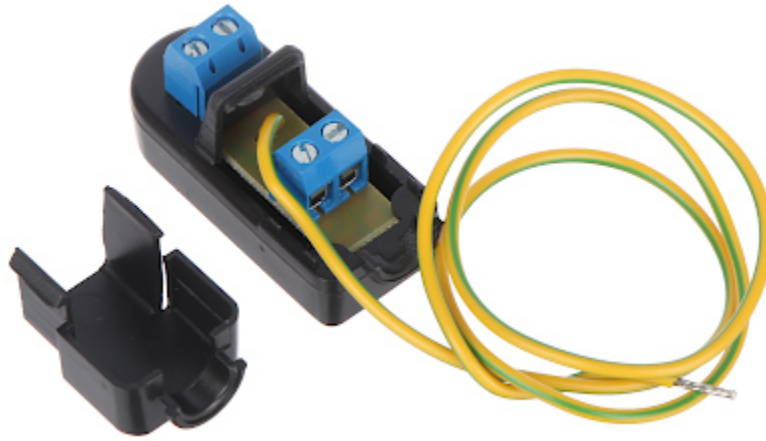
### SPECIFICATION

Standard:	<ul style="list-style-type: none"><li>• AHD - 5 Mpx,</li><li>• HD-CVI - 8 Mpx 4K UHD,</li><li>• HD-TVI - 5 Mpx,</li><li>• CVBS - PAL / NTSC</li></ul>
Protected line:	Symmetric
Threshold voltage:	> 2.4 V (wire/wire) > 18.4 V (wire/ground)
Maximum stroke current:	30 A (t=8.3ms)
Reaction time:	15 ns
Grounding:	Indirect grounding, via diode
Input socket type:	Cable terminals
Output socket type:	Cable terminals
Operation temp:	- 50 ... 55 °C
Permissible relative humidity:	< 95 %
Weight:	0.014 g
Manufacturer / Brand:	DELTA
Guarantee:	<b>3 years</b>

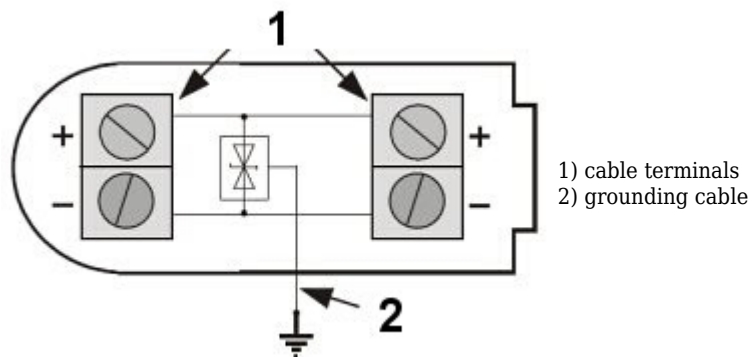
### PRESENTATION

DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>  
POL; 60-713 Poznań; Graniczna 10  
e-mail: [delta-opti@delta.poznan.pl](mailto:delta-opti@delta.poznan.pl); tel: +(48) 61 864 69 60

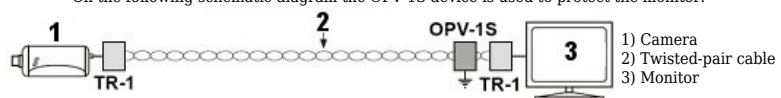
Internal view:



Connection diagram:



On the following schematic diagram the OPV-1S device is used to protect the monitor:



In order to fully protect all equipment connected to video lines against overvoltages, this application is recommended:

