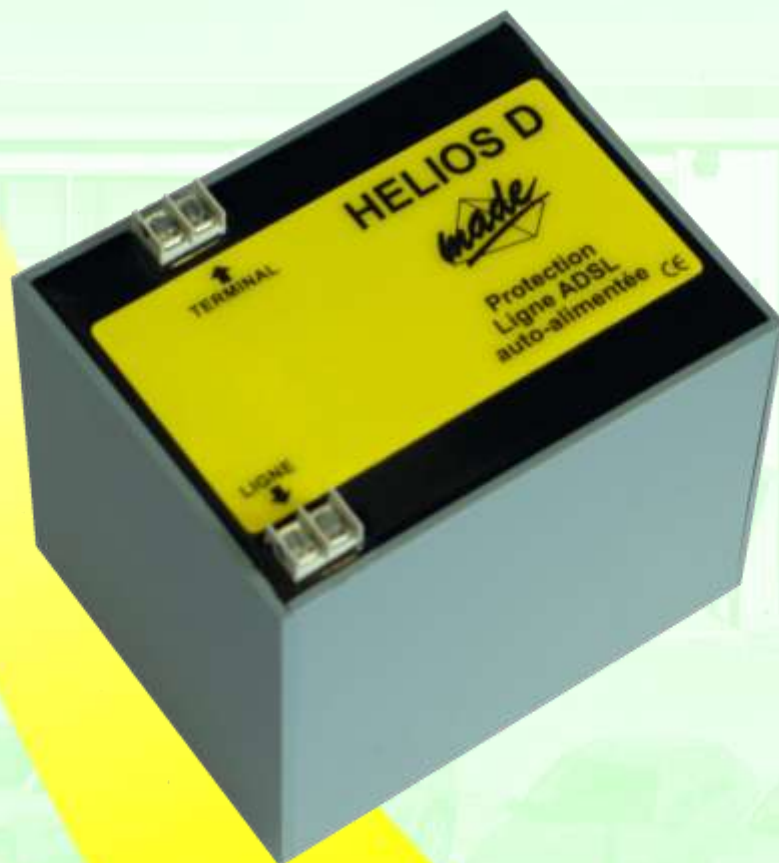


# GALVANIC PROTECTION FOR EQUIPMENT AND PEOPLE AGAINST VOLTAGE SPIKES



## HELIOS D



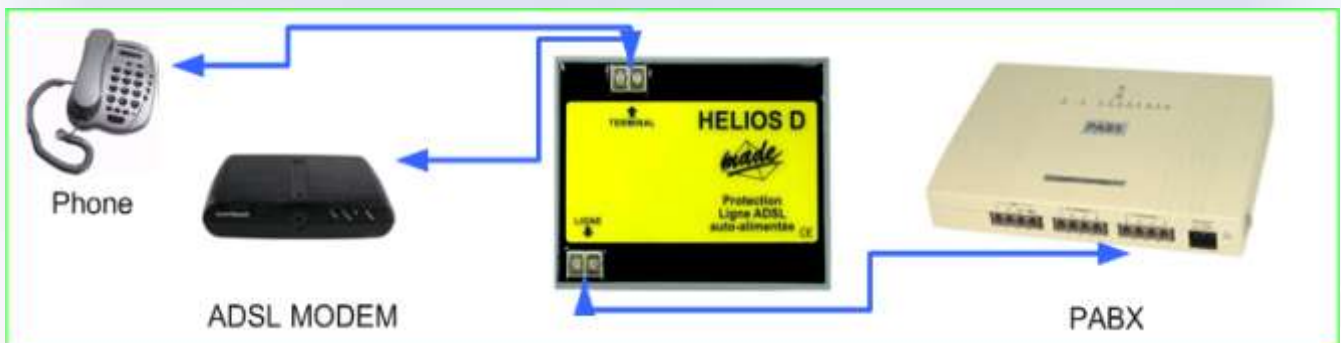
*Electrical, Gas, and Safety*

## PRESENTATION

HELIOS D is a galvanic protection case having on one side « Line » and on the other side « Terminal ».  
The galvanic insulation is greater than 8 KV RMS, 50 Hertz. It can also be 25 Hertz if requested.  
The electronics are moulded in a high dielectric resin.

- Line side : HELIOS D is self-supplied (Neither batteries nor solar panels).
- Terminal side : The Terminal supply is generated by HELIOS D.

## CONNECTION SCHEME



## TECHNICAL CHARACTERISTICS

Dielectric strength: 8 kV eff 50Hz during 1 minute between access and ground.

Bandwidth : From 100 Hz to 4 kHz  $\leq$  to 1 dB (PSTN side), and from 25 kHz to 1,5 MHz (ADSL side).

Stream flow : 25 Mbps / 1.2 Mbps.

Kind of connection : ADSL2 and 2+.

Nominal impedance : 135  $\Omega$  ADSL side and 600  $\Omega$  PSTN side.

Functioning : Remotely powered. Consumption  $\leq$  to 40  $\mu$ A in rest, line voltage up to 56 Vdc.

Helios is 'transparent', no disturbance on general output. Line voltage PABX side with or without galvanic protection is almost similar. Operation warranted, off-hook, up to a line voltage of 10 Vdc and a current of 9 mA.

Service : Compatible with « connected number ID presentation ».

Grounding : The ground connection is made by the case fixing screws.

Operating temperature : - 25°C to + 55°C.

Storage temperature : - 40°C to + 70°C.

Humidity limit : 95% max.


Mechanical Characteristics :

Weight : 2.600 g. Case in high impact polystyrene and polyurethane resin.

Dimensions : 128 x 100 x 110 (L x l x H)

Fixed by 4 screws  $\varnothing$  M5, pitch center : 62x59 mm. Connection by ENTRELEC type screw connectors.

HELIOS D must be integrated into a « CPM POUYET – 3M » rack.

Standards : HELIOS D 

Conducted and radiated Emissions : EN 55022 Class B.

NF EN 61000-4-2, NF EN 61000-4-3, NF EN61000-4-4, NF EN 61000-4-5, NF EN 61000-4-6.

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