

## HyperLink Wireless brand Weatherproof High Power Phone/DSL Lightning Surge Protector

### Applications

- Telephone lines
- DSL lines

### Features

- Three stage protection
- RJ-11 jacks
- Industrial grade weatherproof die cast aluminum enclosure with mounting brackets



**Model ALW-DSLJ**

### Description

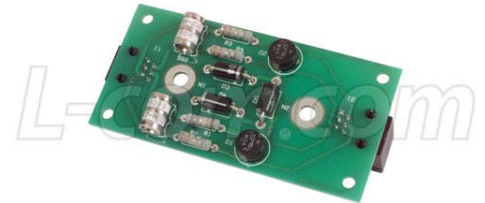
The ALW-DSLJ is HyperLink's outdoor version of its HGLN-DSL protector. This high performance 3-stage lightning protector provides superior protection for Telephone and DSL lines. Shared phone lines carry the ring voltage for standard telephones. The unit protects against both differential and common mode transients.

The first stage is comprised of a differential gas discharge tube. Stage two is a pair of current limiting series resistors and the final stage is a low capacitance diode array. The use of three terminal differential gas discharge tubes provides superior protection against surges. The second stage series resistance limits the power dissipation of the fast diode clamp array in the third stage. This allows time for the slower but higher power gas tubes to flash over. The diode array clamps the leading edge of fast transients to safe levels until the high power gas tubes turn on. This eliminates the damaging leading edge spike that single stage gas tube protectors let leak through. The 3-stage design can handle higher-level transients than a protector that uses only diodes.

For more complete surge protection of data lines, the use of two units is recommended, one at each end of the line.

### Industrial Grade Weatherproof Enclosure

This protector features an industrial grade die cast aluminum enclosure with gasketed cover and concealed mounting holes. It includes an aluminum mounting kit and hardware. PG16 cable glands are provided on the enclosure as well as an external ground clamp to provide a tie point for earth ground. The cable glands are large enough to allow a RJ11 connector to pass through, so pre-terminated cables can be used.



**Specifications**

**Electrical Specifications**

<b>Connectors</b>	(2) RJ11 Jacks
<b>Pinout</b>	Line 1: Pins 3 / 4 Line 2: Pins 2 / 5
<b>Stage 1 Clamping Voltage</b>	± 230 volts
<b>Stage 2 Resistance</b>	3.3 Ohms
<b>Stage 3 Clamping Voltage</b>	± 190 volts

**Mechanical Specifications**

<b>Enclosure Material</b>	Die Cast Aluminum
<b>Enclosure Color</b>	Gray
<b>Ground Lug</b>	10 AWG Max.
<b>Operating Temperature</b>	-40 C (-40 F) to +80 C (+176 F)
<b>Weight</b>	1.15 lb. (.52 kg)
<b>Dimensions (WxHxL)</b>	4.91 x 3.14 x 2.30 (inches) 124.8 x 79.7 x 58.4 (mm)
<b>RoHS Compliant</b>	Yes

