

## HyperLink Wireless brand Differential Data Line Phone/DSL Lightning Surge Protector - Model: AL-DSLWSW

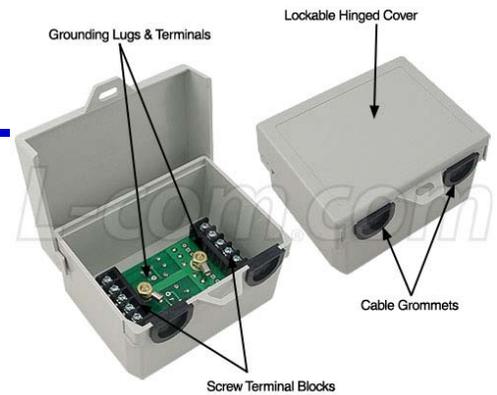
### Applications and Features

**Applications:**

- Protection of DSL and Telephone Lines

**Features:**

- Three-Stage Protection
- Superior to diode or TVS only based designs
- Impact and weather resistant enclosure with locking hinged cover
- Screw Terminal Blocks



### Description

#### Superior Performance

The AL-DSLWSW is HyperLink's outdoor version of its HGLN-D2-DT protector. This high performance 3-stage lightning protector provides superior protection of differential or balanced digital or analog lines from transients and surges. The units will protect two pairs of differential data or analog signal/control lines.

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 common and differential mode protection against conducted transients versus the use of lower cost two terminal tubes.

The second stage series resistance limits the power dissipation of the third stages faster diode clamp array. This allows time for the slower but higher power gas tubes to turn on. 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 diode array's low capacitance assures that the high speed signals will not be degraded by the suppressor. 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.

#### Outdoor Use

The compact weather resistant housing features a lockable hinged cover and mounting holes are provided on the rear of the enclosure for mounting. The two cable grommets may be adjusted to cable size and are removable.



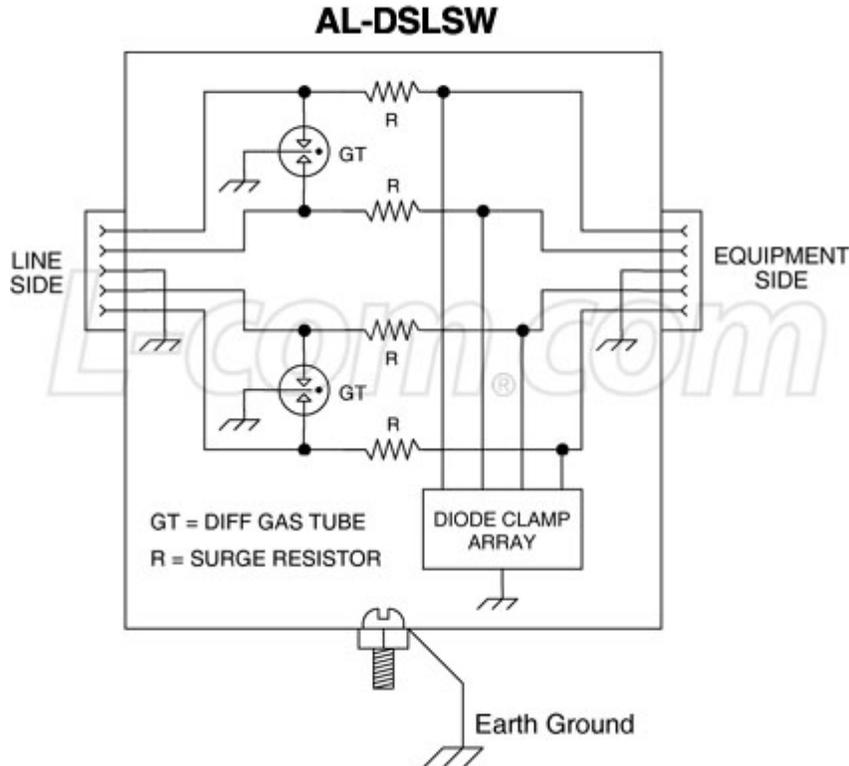
**Specifications**

**Mechanical Specifications**

<b>Enclosure Material</b>	Polycarbonate
<b>Enclosure Color</b>	Gray
<b>Grounding Lug</b>	(2) 12 AWG Max.
<b>Operating Temperature</b>	-40 C (-40 F) to +80 C (+176 F)
<b>Weight</b>	.40 lb. (.18 kg)
<b>Dimensions</b>	4.75 x 4.06 x 2.81 (inches) 120.6 x 103.1 x 71.3 (mm)
<b>RoHS Compliant</b>	Yes

**Electrical Specifications**

<b>Connectors</b>	(2) Screw Terminal Block
<b>Pinout</b>	Line 1: Pins 1 / 2 Line 2: Pins 4 / 5
<b>Stage 1 Clamping Voltage</b>	± 230 volts
<b>Stage 2 Resistance</b>	3.3 Ohms
<b>Stage 3 Clamping Voltage</b>	± 170 volts



**Guaranteed Quality**

This product is backed by L-com's Limited Warranty.