

HyperLink Wireless brand 4 to 20 mA Current Loop Lightning and Surge Protectors Model: AL-CL4-xx

Applications

- 4 to 20 mA sensors and controllers
- Industrial process control
- HART Street light controllers
- Toll booths, drawbridges, railroad crossing gates & signals
- Pulse input circuits

Features

- Four Channel
- Low capacitance diode array
- Weather resistant enclosure
- Screw Terminal Blocks
- Available in 12V, 15V and 24V models



Description

High voltage transients caused by lightning strikes have the ability to easily destroy semiconductor junctions, and thus, cause equipment failure and loss. A lightning strike close to data lines can also cause induced ground currents that can also do serious damage. The AL-CL4 series high performance lightning and surge protectors provide superior protection of for up to four 4-20 mA circuits against these transients or surges.

The low capacitance diode array assures that the signals will not be degraded by the suppressor. This is in comparison to protectors based on high capacitance TVS diodes. For more complete protection, two units should be used, one on each end of the line.



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

Specifications

Mechanical Specifications – All Models

Enclosure Material	PVC
Enclosure Color	Gray
Grounding Lug	(2) 12 AWG Max.
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	.27 lbs. (.12 kg)
Dimensions	3.06 x 1.93 x 4.06 (inches) 78 x 49 x 103 (mm)
RoHS Compliant	Yes

Electrical Specifications

Models	AL-CL4-12	AL-CL4-15	AL-CL4-24
Connectors	(4) Screw Terminal Blocks		
Clamping Voltage	± 15 volts	± 18 volts	± 28 volts

