

Network Lightning Protection

The NLP provides direct protection from lightning and power surges on Titan communications networks. This product **supplements** the built-in fused protection at each Argus Titan module, reducing the chance of blown fuses during moderate lightning events.



Applications



The NLP (Network Lightning Protection) module provides additional protection from substantial lightning surges while allowing power & communication signals to pass under normal conditions. It is typically installed on the I/O communications network between the highly exposed weather station (TC-WS2) and the **NFLP** (Network Fused Lightning Protection) module used to protect the rest of the I/O hardware on the network (refer to the Argus Data Sheet **TC-NFLP-1.0/C** for additional details).

In high lightning areas, the NLP is also used on long communications cables that run outside the greenhouse structure. It is normally mounted on the exterior of the greenhouse using the shortest wiring lengths possible between the NLP and a direct earth connection.

Separate NLP and NFLP modules are included with all Titan Weather Stations.

Alternatives

An NLP is always supplied with Argus weather stations. Other Titan network applications are optional. Short networks with low exposure do not need this additional protection. Note: Third party lightning protection systems are not compatible with Titan networks and cannot be used.

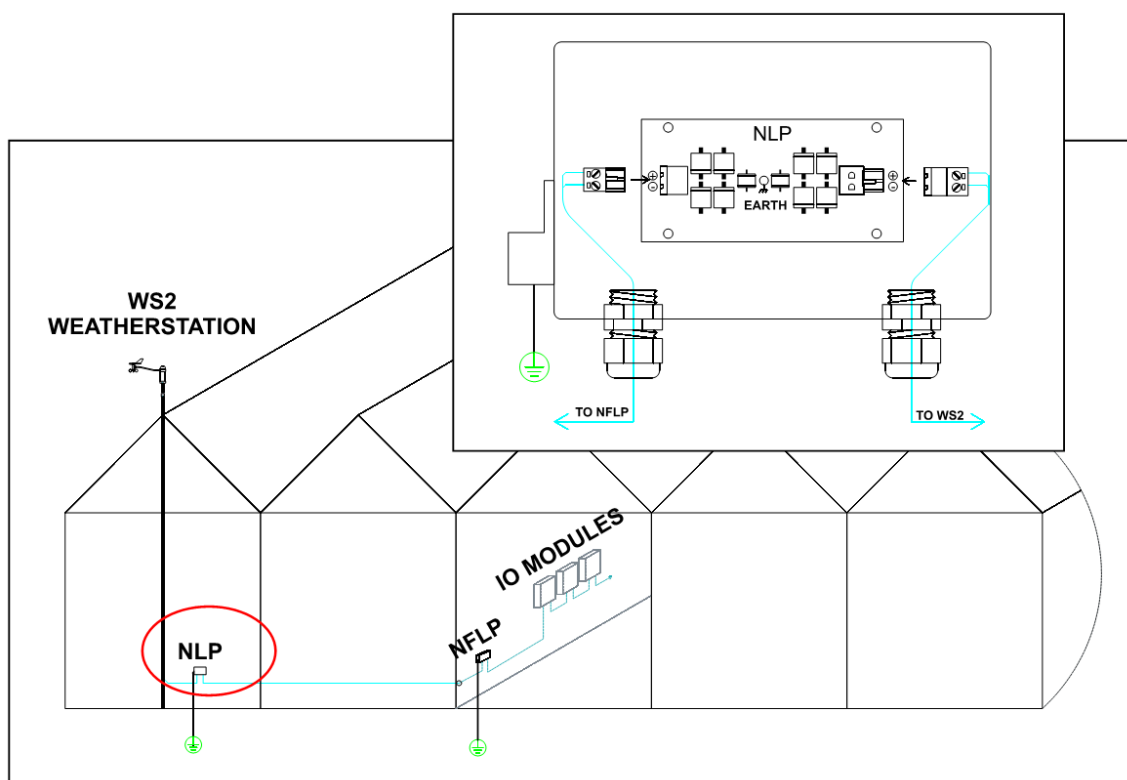
Features

- Watertight aluminum enclosure.
- Grounding cable is included (path to ground should be as short as possible).
- Diode and gas discharge tube circuitry withstands substantial nearby lightning events. Protection capacity approaches the maximum capacity of an 18 gauge cable. Please note that, as with all electrical circuitry and wiring, this unit may be damaged beyond repair by a direct lightning strike.

Specifications

Dimensions	7" x 4.5" x 1.2" (L x W x T)
Enclosure	White powder coated aluminum
Discharge Capacity	~12,000 Amps (8/20 microsecond pulse)
Ground Wire	10AWG TEW copper stranded wire - 2M length connected to an external grounding lug. Trim the wire as short as possible to the grounding point. A separate ground rod is recommended.

Wiring Details



Typical wiring example. For installation, refer to the supplied wiring diagrams and instructions.

Additional Information

For more information, please contact Argus.

