

DATA LINE SURGE PROTECTION

ALPU Lite, ALPU Fit

Frequently Asked Questions

The following provides answers to some of the frequently asked questions about the new ALPU Lite (ALPU-L130) and ALPU Fit (ALPU-F140) data line surge protectors from Transtector.

Q. Why do I need PoE++?

A. Power over Ethernet (PoE) technology is used to power network connected devices using Ethernet cable. Next-generation devices require more power than current PoE (12.5 W) and PoE+ (51 W) standards can support. By using a PoE++ (100 W) device, higher power requirements are supported. The ALPU Fit (ALPU-F140) offers protection for current and next-generation devices that require PoE++ technology standards.

Q. Why are inline cable ports important?

A. As several devices are connected in various environmental conditions, inline cable ports ensure Ethernet cables are connected to the device (ALPU Lite and ALPU Fit) without inducing stress on cables or connectors. When cable ports are not inline, they induce stress on connectors, which causes failure or lower data throughput usually 9 to 12 months after installation.

Q. What is torturous water ingress path?

A. Torturous water ingress path provides an added level of protection against water entry, essentially making it difficult for water to access the enclosure under constantly changing environmental conditions (high and low-temperature cycles that occur during days, weeks and months).

Q. What is built-in PCB retention?

A. Built-in PCB retention ensures the PCB board remains attached to the enclosure when the ground lug is removed to install a ground cable, making the device easy to install.

Q. What is UV resistance?

A. Most outdoor devices designed with plastics suffer material degradation when exposed to direct sunlight under environmental conditions of varying temperature cycles. A UV-resistant enclosure reduces rapid degradation and increases product life, thereby protecting your investment.

Q. What is a weatherized gasket?

A. Devices installed in harsh environments suffer a higher degree of water ingress challenges. A weatherized gasket provides an additional level of protection and ensures water and other environmental elements remain outside the enclosure.

Q. What are cable vibration dampeners, and why do I need them?

A. Cable vibration dampeners are used to limit harmful vibrations to the RJ 45 connectors caused by wind and rain. Through our patented design, Fit models enable using cables of varying thicknesses to be secured properly. This feature protects the connectors from damage due to excessive vibrations, increasing the life of the device. Most outdoor devices fail at connector due to vibration in 12-15 months after installation if cables are not secured in place.

Q. What is corrosive environmental protection?

A. Devices installed in high-humidity environments or near salt water bodies suffer damage due to corrosion caused by water vapor condensing on electronics, which leads to failure or reduced data throughput. ALPU Fit PCB's are coated with protective coating which provides protection against these elements.

For further information on the ALPU series of data line protection devices by Transtector Systems contact our global customer service team at +1.800.882.9110 or +1.208.772.8515 as well as visit our website at www.transtector.com, www.smithspower.com.