



Railway Signaling Protection

Novaris

Lightning and Surge Protection

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Novaris MPU Surge Protectors

Novaris' range of MPU Signal Line Protectors has been developed in consultation with signaling engineers, project managers and maintenance providers of SSI and VPI signaling equipment around the world. Each protector is designed to provide the highest level of surge immunity for connected equipment with minimum impact on normal system operation. The circuits are configured so that any component failure within, or external to the protector, will not compromise the operational safety of the signaling system.



Rail Power Protection

Novaris SDD Surge Diverters and SFD Surge Filters provide primary and secondary surge protection for main incoming power in accordance with IEC Class II specifications. All models are housed in metal DIN compliant enclosures and provide all mode protection for worldwide application. Single, Three Phase and DC models up to I_{max} of 100kA are available.



Railway Line Protection

Novaris RLP Surge Protectors are designed for the protection of railway line insulated joints. These units contain high energy gas discharge tubes capable of withstanding many direct lightning strikes. RLP models are housed within a robust enclosure for external use and direct attachment to the track or traction power gantry.



Signal Solutions

Novaris SL and SSP range of Signal Line Surge Protectors feature replaceable surge protection modules. All the surge protection circuitry is contained in the replaceable top module. These are ideal for the protection of control I/O, SCADA RTU, RS485 and telecommunications and railway signaling. Being only 7mm wide they are compact and may be easily retrofitted in location cabinets.. SL models are available for signaling systems up to 110V at 6 amps.



Track Circuit Protection

Novaris High Energy Track Circuit Protectors have been designed to be installed into existing installations as direct replacements to older style spark gap devices. These units contain special high energy components capable of withstanding many direct lightning strikes and provide a clean clamping of a surge with no spark over noise.



Novaris Rail Protection Units (RPU) are the perfect building block for any new signaling system or as a means to upgrade simply, as these devices are designed for simple replacement of existing devices and provide a safe and robust primary protection environment.



Points Protection

Novaris Points Surge Protectors feature two or three wire protection from a single unit avoiding costly repairs to expensive relays



Axel Counter Protection

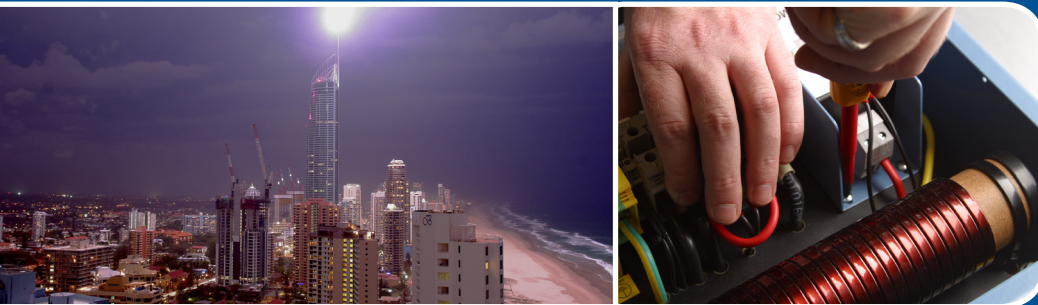
Novaris Axel Counter Surge Protectors feature unique circuitry designed with a world leading manufacture of axel counters. They protect the smallest of signals form surges and miss counts.



Transient Surge Counter

Novaris Transient Surge Counters monitor direct lightning strikes and transient events. They may be clamped to the downconductor of a building or tower or in the earth return conductor of a surge diverter or filter.





Novaris

Novaris has designed and manufactured lightning and surge protection systems since 1993. We specialise in the protection of power and data systems and we are now world leaders in lightning and surge protection technology.

At our Australian headquarters we operate a full time research and development facility. Our testing laboratory is capable of generating and measuring simulated lightning impulses in accordance with all major world standards.

Novaris can custom design a lightning and surge protection solution to suit your particular application. We can provide consultancy services including site inspection, risk assessment and detailed recommendations for protection methods in accordance with national and international standards.

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