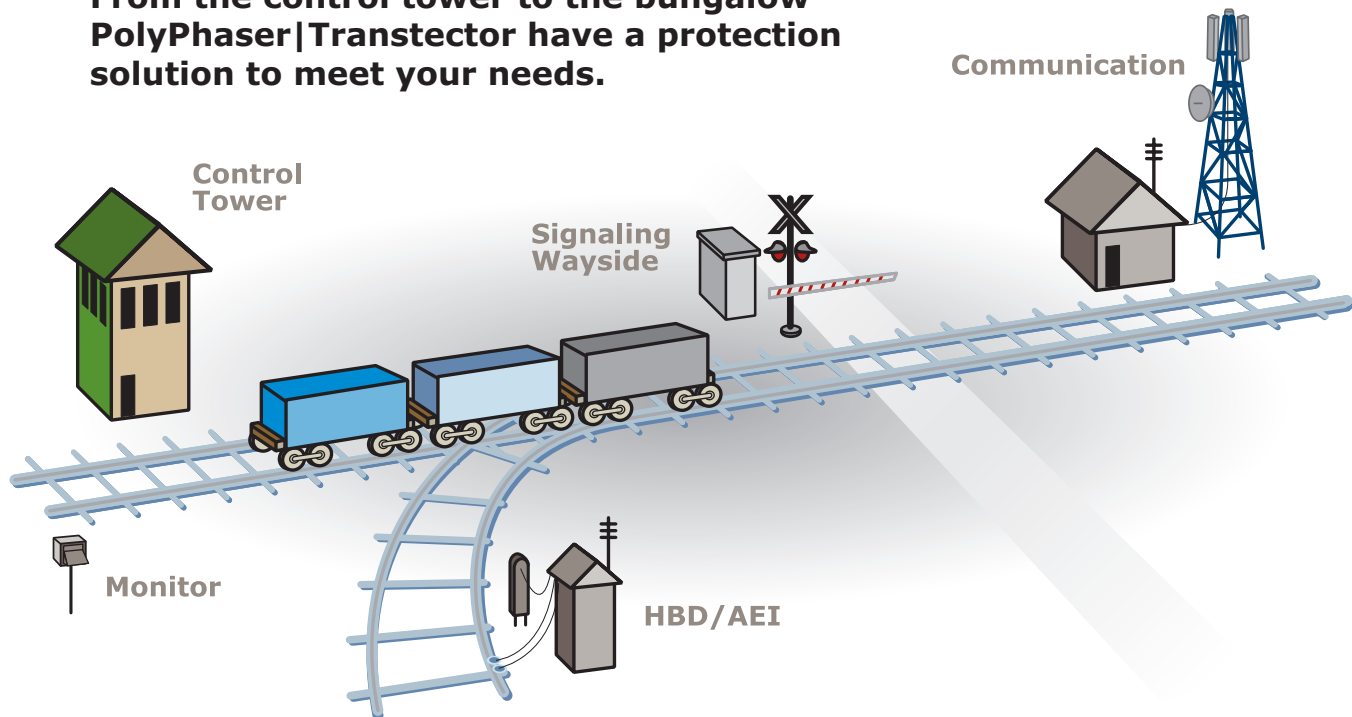


Communications and Signaling Protection

Surge Suppression Products for the Rail Industry

**From the control tower to the bungalow
PolyPhaser|Transtector have a protection
solution to meet your needs.**



For over four decades PolyPhaser and Transtector have worked to become industry leaders in development, design and manufacturing of power and signal integrity solutions for the rail industry.

Railway communications systems are vital to safe and profitable rail operation, but can easily become vulnerable to lightning and power anomalies. PolyPhaser and Transtector end to end protection product offering includes RF, AC, DC, data line and integrated cabinet solutions developed to keep your rail yards open and trains on schedule.

Visit our websites at www.transtector.com and www.polyphaser.com to view additional protection products and services or contact us at sales@transtector.com.



Railroad Protection Products

PolyPhaser | Transtector surge protection devices are engineered to AREMA standards and fit in multiple locations to protect sensitive equipment located in wayside applications. Visit www.transtector.com and www.polyphaser.com for additional product options or call 1.800.882.9110 to speak with our experienced rail sales and engineering teams.

Part Number #	Name	Application	Description
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Data | Signal Surge Protection

1101-707	SXRR 50	Hot box, rail signaling, wayside equipment	50 Vdc signal, silicon diode, railroad crossing equipment surge suppressor
1101-926	ALPU ORT	Wireless radio protection	NEMX 4X metal enclosure PoE protector. Outdoor Cat5, 48 Vdc, RJ-45 jacks. Supports point to point and point to multi point radios
1101-740	TSJ	AEI and Hot box equipment	RJ-11 connector and screw terminal, silicon diode surge protector for T1/E1, high surge current configuration
1101-607-1	CCTV-PTZ	Video Surveillance Equipment	Silicon diode surge protector for coax, 24 Vac/dc and Data Communication Pair



SXRR 50



ALPU ORT



TSJ 6A CLT GT



CCTV-PTZ

Coaxial RF Surge Protection

DSXL	SX Series	RF Antenna, bungalow	RF broadband dc block protector that covers the frequency range of 800-2700 MHz. Multiple adaptors are available in the SX series
ISBN B50 LN-C2	B50	RF Antenna, bungalow	The IS-B50 is a dc block 50 Ohm bulkhead mounted protector, with a range of 125-1000MHz used in most HF, UHF, VHF radios



DSXL-D-MA



IS-B50LN-C2

PolyPhaser and Transtector were founded on the ability to provide custom engineered solutions for unique protection circumstances. Regardless of your requirements, PolyPhaser and Transtector Systems have the proven ability and experienced team to design, develop and manufacture a custom solution to meet your unique rail requirements. Contact us at sales@transtector.com or visit our websites at www.transtector.com and www.polyphaser.com to view additional protection products and services.

Part Number #	Name	Application	Description
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DC Surge Protection

1101-869	DRI 24	Rail yards and bungalow signal and track circuit	24 Vdc low power signal, silicon diode, remote monitoring, DIN rail, equipment surge suppressor with visual status indication for constantly or intermittently powered devices
1101-870	DRI 120	Rail yards and bungalow signal and track circuit	120 Vac low power signal, silicon diode, remote monitoring, DIN rail, equipment surge protector with visual status indication for constantly or intermittently powered devices
1101-625	I ² R [®] ICP	DC battery protection	24 Vdc silicon diode, DIN rail, 28-12 AWG screw clamp equipment surge protector



DRI 24



DRI 120



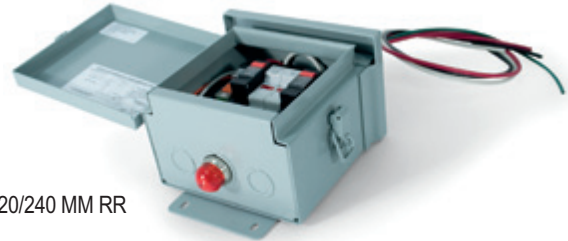
I²R[®] ICP AC

AC Surge Protection

1101-980	I ² R [®] 120/240 RR	Bungalows	120/240 V, split phase, silicon diode primary with MOV back-up, plastic enclosure ideal for bungalow applications
1101-981	I ² R [®] 120/240 MM RR	Outside distribution panels	120/240 V split phase, MOV only with external indicator lights ideal for servicing. Metal 3R enclosure designed for protection of outdoor distribution panels



I²R[®] 120/240 RR



I²R[®] 120/240 MM RR

Integrated Power Protection Cabinets

1101-906	TransComm Rail Cabinet	Communication Panels and Bungalows	Rugged integrated cabinet for sensitive railway communications equipment located in communications panels and bungalows. AC distribution with silicon diode surge protection integrated in NEMA 4 enclosure. Additional AC\DC\Data surge protection configurations available to meet specific rail requirements.
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TransComm

Communications and Signaling Protection

Surge Suppression Products for the Rail Industry

Our product offering includes AC, DC, RF and high speed data and signal protection, grounding accessories, integrated cabinets and power distribution units. From the control tower to the bungalow we have a protection solution to meet your needs.

Data/Signal Surge Protection

Our end to end data/signal protection solutions are available in both custom as well as commercial off-the-shelf products for digital and analog signals in both indoor and outdoor enclosures.

- GbE
- POE
- Ethernet
- TDM
- Digital Loop
- RS-232, RS-422, RS-485



RF Protection

Whether your application is at the tower top or in the base station, PolyPhaser RF products have set the industry standard for decades.

- Protected Bias-T
- DC Block Filters and Arrestors
- Combiner Protectors
- DC Pass Arrestors
- Grounding Solutions



DC Surge Protection

We offer a full line of low voltage, standard (24Vdc and 48Vdc), and high voltage DC surge protection indoor and outdoor enclosures, including rack mount and DIN rail.



AC Surge Protection

Our ac surge suppression products lead the industry with silicon diode and MOV protection options available in ac panel, self contained enclosures, modular DIN rail, and rack mount configurations.

- 120 Vac
- 120/240 Vac
- 120/208 Vac
- 240 Vac
- 240/415 Vac
- 277/480 Vac
- 480 Vac



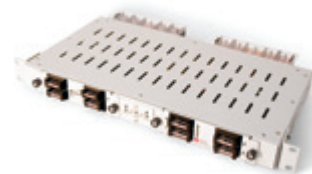
Integrated Power Protection Cabinets

Transtector's Integrated Power Protection Cabinets provide full functionality for quick site setup, low lead times and termination of both electrical and communication utility feeds. They include AC, DC and data/signal surge protection options for rail applications, including indoor and outdoor communication sites with multiple power sources.



Power Distribution

Transtector's DC Edge™ high amperage, compact, rack mount DC distribution panels are available with adjustable voltage settings.



Call Us Today! 800.882.9110

PolyPhaser  **TRANSTECTOR**