

LB Foster®

SECTOR

Rail

AVAILABLE

Worldwide



PROTECTOR IV System

Intelligent trackside
friction management

PROTECTOR IV System

Intelligent Trackside Friction Management

SECTOR

Rail Infrastructure

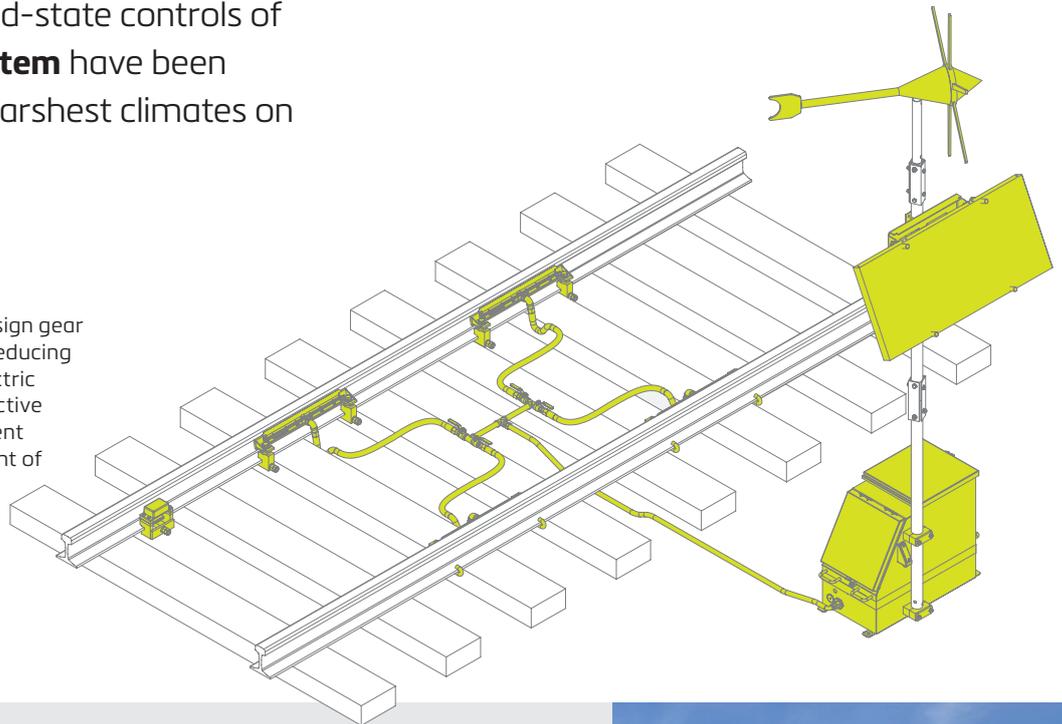
AVAILABLE

Worldwide

The easy to operate solid-state controls of the **PROTECTOR IV System** have been proven in some of the harshest climates on the globe.

Innovative Friction Management

These controls activate a reliable design gear type pump (balancing outputs and reducing clogging) that is coupled with an electric motor. Once the input from the inductive wheel sensor is received, the intelligent system will deliver the precise amount of product appropriate for that specific location.



KEY BENEFITS

Improved

- > Operational efficiency
- > Safety and reliability
- > Extended product spread
- > Extended refilling intervals, reducing annual maintenance costs
- > Fuel Savings
- > Operation, commissioning and minimal on-going maintenance
- > Increased grease/friction modifier capacity

Reduced

- > Noise
- > Wheel and rail wear
- > Installation time down to 2hrs

Added

- > Non-contact wheel detector
- > Remote performance monitoring (RPM) options available



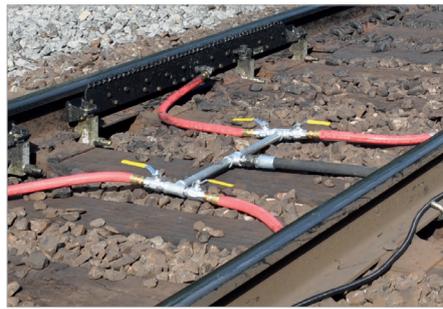
PROTECTOR IV System

FUNCTIONALITY & APPLICATION

The PROTECTOR IV System consists of a trackside cabinet with clean hands compartment and product reservoir, both with the security of a lockable weatherproof sealed lid. The unit also includes a power source, product distribution hoses, patented grease distribution units (GDU's) or top of rail distribution bars and an inductive non-contact wheel sensor.

Configuration Options

- > Top of Rail Friction Modifier (KELTRACK®)
- > Gauge face lubrication
- > Check rail lubrication
- > Switch blade protection
- > 90kg/360kg capacity
- > Power options include Solar, solar and wind or mains power (AC 115v/230V or DC12V)
- > Single or double track
- > Sensor for bi-directional traffic
- > Floor, wall or in-ground mounted
- > Anti-vandal solutions
- > Available for all common rail profile and track forms
- > Quick release distribution bars



ADDITIONAL INFORMATION

Efficiency

- > The digital controller enables a precise volume of product to be delivered
- > The system is capable of servicing several LH and RH curves from the same unit with minimal wastage
- > One unit can replace up to 6 conventional units and tests have shown that 48% less product is used
- > Option for utilising renewable energy sources as power supply

Reliability

- > Includes a state of the art electronic system
- > Non-contact wheel detector
- > Positive displacement gear pump greatly reduces maintenance.

Safety

- > Located up to 15 metres from the centre of track allowing refilling and adjustments to be made in a place of safety and without taking the track out of service



LBFoster
Friction Management

LB Foster Rail Technologies
Europe Headquarters

Stamford Street
Sheffield
S9 2TX

t +44 (0) 114 256 2225
e reply@lbfoster.com

lbfoster.eu