

ELECTRIC POINT HEATING SYSTEM

CONTROL - HEAT - MONITORING

SYSTEM DESCRIPTION

- ☑ Intelligent control functions for cost-efficient point heating
- ☑ Fully automatic system operation
- ☑ Self-diagnostic system and auto-on function in case of faults
- ☑ Individual control possible via integration into remote monitoring systems
- ☑ Optional visualization
- ☑ Integrated weather station for detecting environmental conditions (precipitation, drifting snow, temperature and humidity)
- ☑ Monitoring of all connected heating elements

ELECTRIC POINT HEATING SYSTEMS

Snowfall and ice formation are among the greatest risks for smooth rail operations during winter. To ensure both freight and passenger transport, the trouble-free switching of points is essential.

Heat prevents movable point components from freezing or becoming blocked by snow and ice.

A modern electric point heating system provides safe and reliable operation – fully automated and easy to control.



RESOURCE-EFFICIENT HEATING – PRECISE TEMPERATURE CONTROL SAVES ENERGY

The desired rail temperature can be maintained consistently using dedicated control and regulation units. During heating operation, only the amount of energy required to reach the defined setpoint is used.

The devices switch safely and with minimal wear. They function as constant-temperature controllers while simultaneously monitoring the insulation resistance of each heating circuit.

Failures of heating elements caused by insulation faults are automatically detected.

