E/WARM

SWITCH HEATING SYSTEMS

E/Warm is a complete switch heater solution consisting of resistances, power distribution cabinets on the site, central control unit and control software.

- Thanks to the redundant communication architecture and weather stations the system has low power consumption and high reliability.
- Communication between control unit and site is achieved through fiber optic cable, which eliminates excessive costs for using copper cables.
- Communication through fiber optic cables provides effective transmission of higher quantities of operation and maintenance indications of the switch heater to the interlocking unit.
- Each switch heater is controlled separately. Status indications of all equipment on the system (Fuses, switching devices, PLC's, etc) are sent to the control center. Thus, the time to remedy any failure in the system is kept at minimum.
- The system can be applied to switches at all locations and all rail systems, from high speed train lines to maintenance/marchalling yards, main line railways, commuter lines, metros, light rail and tram systems.
- Industrial processors are used on the site cabinets and central units. Therefore, any of communication solution like Modbus TCP, dry contact and serial port can be used for interlocking and control center connections.
- EWARM saves time and cost, providing variable interface applications and easy installation feature.

E/WARM

SWITCH HEATING SYSTEMS

HEATING SOLUTIONS

ON SNOWY WEATHERS

E/WARM
is designed to prevent problems in the railway switches, which occur due to snow and icing at adverse weather conditions. The system enables automatic operation with the help of its snow-ice and temperature sensors and ensures uninterrupted and safe railway operation.

Technical Info

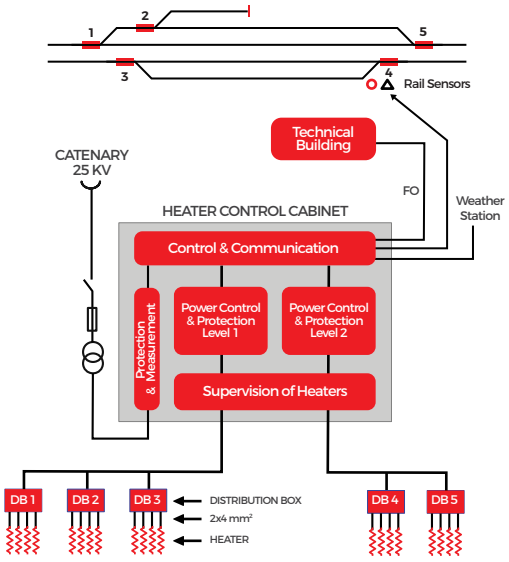
Rated Supply Voltage for Operation:
200 – 260 V AC

Ambient Air Temperature for Operation:
-40 to +70˚C

Communication Protocols:
ModBus TCP, Modbus RTU, Serial Communication, Dry Contact

Communication with Site Cabinets:
ModBus TCP Through Fiber Optic Cable

IP Degree of Protection:
IP65 (Cabinets and Distribution Boxes)



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