

Electrical Engineering Quality Assured Excellence

LMB (Newcastle) Ltd provide a range of PADS approved engineered products to the rail industry that are manufactured to the exact requirements of our Clients and are in adherence to Network Rail specifications.

At LMB (Newcastle) Ltd we take great pride in providing a quality engineered product and this is evident through our accreditation to BSI 9001:2015 and RISQS verification.

Points Heating Control Cubicles (PHCC)

Through the implementation of a Network Rail approved electronic control system our PHC cubicles are fully automatic and are suitable for installation at trackside in any rail zone. Our PHC cubicle provides a number of outgoing 1Ph supplies to associated equipment.

Through design our Points Heating Cubicle allows for continuous operation during cold winter conditions. Due to the implementation of an ICELERT 407M Control System our PHC cubicles react to changes in air temperature and precipitation as a means of determining weather conditions.

The system operates at a pre-selected temperature range that ensures track switch points are clear of ice and snow therefore minimising potential train delays. Trackside Telemetry Units allow for optional remote monitoring therefore enabling complete control over system operation, monitoring and testing.

Due to its flexibility the system can be tailored to suit the specific requirements of our Clients with the PHC cubicle having the capability of providing up to 12 single phase heating transformer circuits at any one time. Due to its robust design and construction our free standing, double door, front access GRP enclosure is suitable for direct mounting onto a concrete base/plinth.

- GRP (Class 1 fire retardant resin) enclosures
- Ingress protection rating of 54 (min)
- Manufactured in accordance with Network Rail specification NR/SP/ELP/40045
- Available in 3PH 400Vac & 1PH 230Vac variants
- Findlay Irvine "ICELERT" 407M control system to monitor environmental conditions
- Remote monitoring available via Findlay Irvine DCU390 logger unit
- Phase healthy indication
- Fully labelled
- Robust free-standing design allows for mounting to a concrete base
- Outgoing transformer supplies protected via type C or D MCB devices dependent upon client design
- Isolator sizes to accommodate a max cable CSA of 180mm²



Engineered Rail Products
Design, Manufacture, Supply

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