

# Points Heating Control Cubicle

An essential asset supplying power to points heaters



## PowerU

by Unipart Rail

A UNIPART RAIL INTELLIGENT ASSET

**UNIPART**  
**RAIL**

SERVING THE WORLD'S RAILWAYS

# Designed for Safety and Reliability

**An Intelligent Asset designed to ensure that optimum levels of performance, control and power are delivered to points heating systems.**

They are designed to automatically work using sensors to act based on weather conditions, but can also be manually operated. When specified set points drop below threshold on the temperature sensors, the Weather Monitoring Control Unit instructs the contactor to energize to provide voltage to the individual strip heater circuits. 'PHCC's' are available in both single phase and three phase configurations and can

supply a maximum of 12 strip heaters, each of which can be monitored by a data logger (optional). They are manufactured using a simplified footprint, the only variant being the amount of outgoing ways, the ratings of the MCB's supplying the strip heaters, the Incoming cable size and the material of the enclosure (GRP or Stainless Steel - both PADS approved).

## The benefits

- Automatic WMCU function allows for remote locations to operate independently
- Network Rail PADS Approved equipment
- Reduced maintenance costs through remote monitoring
- Standard design for Network Rail Infrastructure
- Future-proof design



# Why the PowerU Range?

It's because we give you Modular Flexibility, and the full end-to-end power supply solution from Class II FSPs to PSPs. We give you a family of products with a single trusted, reliable architecture.

Our products are designed and manufactured to support decarbonisation, digital signalling, alternative power supplies, and remote condition monitoring and operation.

Our standardised design enables installation of Single or Three Phase systems, to project specifications. We pre-test the panel system to ensure full traceability and fast availability of the component parts to give you confidence when ordering for your project.

## Collaborative Approach

We've collaborated with our industry partners to develop the standardised design solution, complete with standard interlocking functionality for safety assurance.

## Customisation

All Unipart Rail PSPs are designed to accommodate the unique Project Design specification. Document door pockets and ventilation systems are standard.

## Obstacle-Free Cable Management

We've worked hard to create a PSP with rationalised and obstacle-free cable routes. The Cable Protection safety system ensures a tamper-free fit. This all leads to a cleaner 'engineered' finish and means that track-side installation times can be reduced.

Technical Detail	
Class	Class I
Enclosure Material	Stainless Steel or GRP
Sealed to	IP54
Power	230/400V supply
Max heater strips	12 strip heaters
Weather Monitoring Control Unit	Automatic with Manual Functions
Remote Condition Monitoring	Optional
Design Life	25 years
Termination & Installation	Standardised Design allows for upto 185mm Incoming Cables and upto 95mm Outgoing.
Labelling	Full PHCC laser-engraved labelling ensuring traceability of equipment and clear location information.
Data Logging	Optional
Built to standards	PHCC are designed and manufactured in accordance with Network Rail specifications. NR/L2/SIF/ELP/27417

## About Unipart

The Unipart Group is a leading UK manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, including automotive, manufacturing, mobile telecoms, rail, retail and technology, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

### Unipart Rail

Jupiter Building, First Point, Balby Carr Bank,  
Doncaster, South Yorkshire DN4 5JQ  
Tel: +44 (0) 1302 731 400  
email: [enquiries@unipartrail.com](mailto:enquiries@unipartrail.com)



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