



Door Control Panel Overhaul

by Unipart Rail

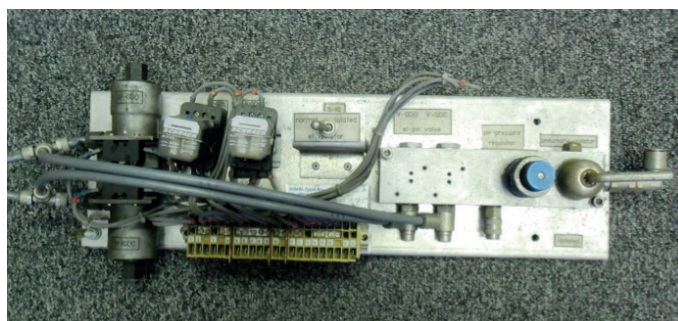
Overcoming obsolescence of components



- Improves reliability and performance of the gangway doors
- Reduced maintenance requirements
- Simplified Installation of the overhauled product
- Long term parts availability with minimal risk of obsolescence
- Use of latest technology components

To improve the reliability of the operation of the first and standard class vestibule gangway doors between the compartments on Class 365 EMU vehicles Unipart Rail has identified new components that can be used in the overhaul of the door control unit. The units are overhauled in the company's own manufacturing facilities to control the quality of the work and provide full certification and testing in accordance with the Vehicle Maintenance Instruction (VMI) specification.

Old Unit



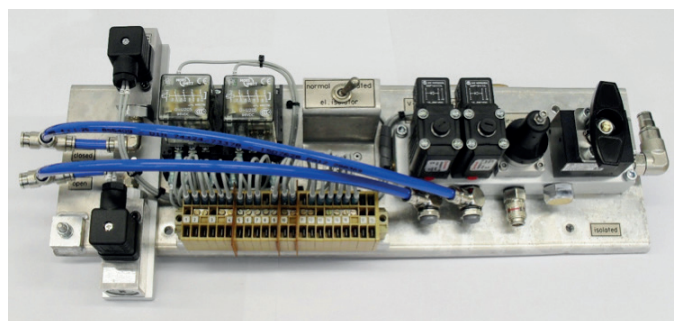
Existing Class 365 Door Control Module (typical)

The Door Control Panel fitted in the original build of the Class 365 includes several components that are now obsolete or have alternative more modern fittings that will both improve the reliability of the door operation and reduce the risk of future failures. The specification of the overhaul uses the existing base board and replaces or upgrades the components to provide a fully functioning unit that uses existing electrical and mechanical connections.

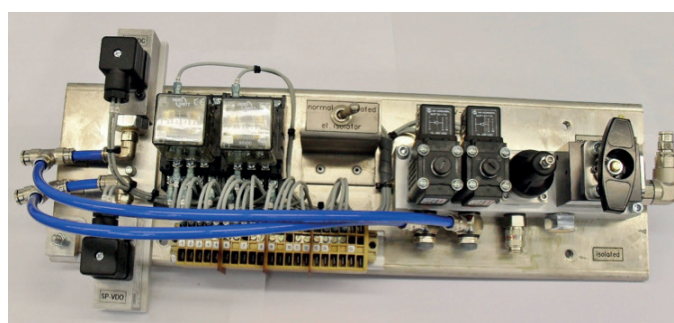
Product improvements implemented by Unipart Rail, as part of the overhaul process, include:

- Installing two new relays and bases with wiring to replace existing obsolete Schrack components
- Installing a new Obstacle Detector Pressure Switch to improve the detection of passengers in front of the doors
- Air isolation valves are removed to install a new modern pneumatic sub-assembly
- A mono-block manifold is installed to improve the reliability, maintenance and testing

New Unit



Class 365 Fleet - Gangway Door Control Panel



Class 365 Fleet - 1st Class Door Control Panel Assembly

The Door Control Panel overhaul service is available for First Class and Standard Class 365 vehicles. The fault finding analysis, identification of alternative parts and overhauling services provided by Unipart Rail can be applied to other Door Control units and train vehicle systems, details on request. The units fitted to the Class 365 vehicles are similar to Class 465, 165 and 166 units.

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