



CLASS **994**

## Door Control Upgrade

DB Regio Tyne and Wear Metro.

Completed: 2016



### OVERVIEW

In 2011 Train Door Solutions (TDS) were approved by DB Regio Tyne & Wear Metro to provide a new cylinder and EP valve module as part of the Metro upgrade.

TDS utilised the latest pneumatic technology and provided an improved performing system for T&W's hybrid door system.

The contract involved the supply of cylinders and valves to 88 of 2 car sets which have been undergoing a complete modernisation programme which should be completed by 2016/17.

The parts are provided with a full 12 month warranty.

### COMPONENTS

- NEW DOOR ACTUATOR
- NEW EP VALVE MODULE



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### TECHNICAL SPECIFICATION

**VALVE MODULE:** 5 port 2 position single solenoid pilot operated valve. Long life rubber seal technology.

**ACTUATOR:** The original 40mm actuators were replaced by a new bespoke design by Train Door Solutions, manufactured by Westinghouse.

**TRACTION SWITCH:** Snap action roller switch with self wiping contacts that greatly improves the life of the switch and reduces maintenance times.

CONTROL	ELECTRO-PNEUMATIC
INPUT VOLTAGE	96 VDC
VOLTAGE RANGE	+/- 30% OF INPUT VOLTAGE
TEMPERATURE RANGE	-10°C TO +65°C
OPERATING PRESSURE	5 BAR

