



## Railway Applications

We ask for your trust. Trust we can deliver custom products which fulfill your customers' expectations. We strive to understand these requirements, design, and deliver. Being focused on custom made products forced us to shape our organization in such way that it will be crystal clear where we put our efforts and what you pay for.

We are a group of people who love to work together and are very passionate about innovation, technology, and manufacturing custom made products for selected OEM customers.

Our specialities are:

- Solenoid valves and magnetics
- Electronic drivers and controls for solenoid valves and linear motors
- Electro hydraulics and pneumatics actuators

# Railway Examples Of Solutions

## Solenoids & Modules

### Features

- 30% +- voltage variation
- noise reduction
- special seal material for hot/cold ambient temperature
- high flow
- low power consumption

### Applications:

- pilot pneumatic operated doors
- brake systems
- horns
- toilets



Break system



Vacuum to the waste system

## Electronics

### Features

- Designed for railway
- Controlled pull-in and hold power to solenoid
- Fast turn-off
- Wide input voltage range from 24V to 110VDC nominal
- High power capability with up to 25A pull-in current
- Up to 2A hold current
- 2 wires or external inputs operation
- Programmable parameters
- Solenoid diagnostics with LED and status outputs

### Description

The ADRV1012 is a sophisticated driver for solenoids. It controls the pull-in and hold phases by pre-setting the appropriate voltages and currents.

The power seen by the solenoid is independent of the power supply, temperature or other influences. Furthermore, the power consumption is limited to the strict minimum even in the pull-in phase and reduced to the hold current as soon as the plunger has moved. Therefore the same coil can be used over the full power supply voltage range with identical behavior in all conditions.

