



ITT

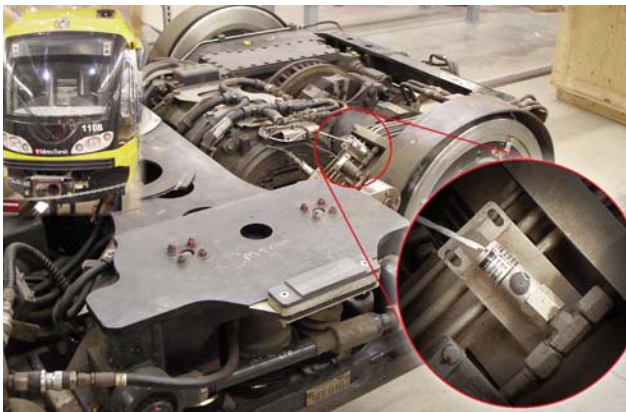
Neo-Dyn®

Rail Car Applications

ITT plays an important role in critical systems on rail car applications, both on the power car and passenger car vehicles.

One important application is regulation of the compressor output that supplies pressure for the braking system on the cars. In this application, ITT supplies the switch that regulates the output of the compressor. When the pressure drops to minimum it engages the compressor and disengages when maximum system pressure is reached.

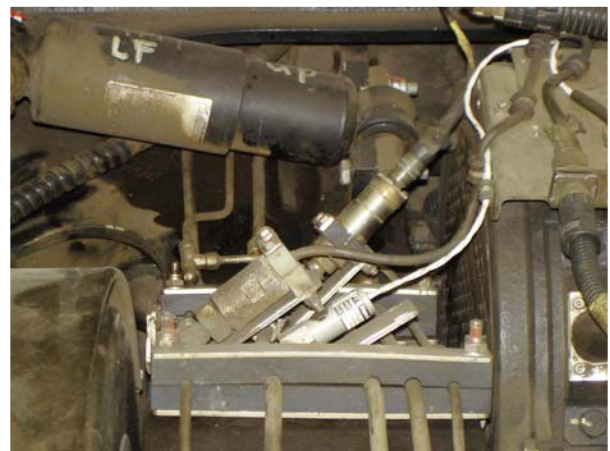
In related applications, the Neo-Dyn units are used to sense pressure throughout all of the cars to detect possible line leakage/line disconnect, and system pressure deviation. One of the most critical applications on these trains is the safety system regarding braking and emergency braking control. In this application, the ITT switch is mounted under the vehicle near the braking system where it is exposed to all of the elements.



In this instance, the Neo-Dyn switch provides a signal to the operator that the brake is applied, in addition to providing brake pressure until torque is significant at the motor car to keep the train from drifting.

The ITT Neo-Dyn switch is also utilized in the emergency braking system where it acts as a safety device. If brake pressure falls below the safety point, the switch will cause the train to come to a controlled stop by engaging the emergency braking system.

In these severe applications, the Neo-Dyn switch is the unit of choice due to the Belleville spring design that includes the resistance to vibration/over pressurization, accuracy, and a high cycle life. Some of the units that are commonly selected from ITT's diverse lineup for the aforementioned applications are the 100P, 105P, 115P, 130P, 132P, 206P, and the 225P. For these rail car applications, as well as others, ITT remains the unit of choice when reliability and accuracy are required.



Engineered for life

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