

Our references include:

France: SNCF (standard track and high speed lines), Lyon (Metro), RATP (Metro and RER), EUROTUNNEL, LRT (Tramway): Bordeaux, Grenoble, Le Mans, Lille, Marseille, Montpellier, Mulhouse, Nantes, Nice, Orléans, Paris, St Etienne, Strasbourg, Valenciennes, Tours, Brest, Le Havre, VAL (Siemens automatic train): Lille, Orly (Paris), Toulouse, Rennes, Roissy (Paris)

Belgium: Infrabel, Brussels - STIB (Metro)

Great Britain: Network Rail

Italy: RFI

Poland: PKP

Spain: RENFE (standard track and high speed lines)

Portugal: Porto (Metro), Lisbon (Metro)

Norway: JBV - Jernbaneverket

Sweden: Trafikverket (National Railways)

Switzerland: Lausanne (Metro)

Turkey: TCDD - Ankara-Konya (high speed lines)

Morocco: ONCF (Moroccan Railways)

Tunisia: SNCFT (Tunisian Railways)

Algeria: SNTF (Algerian Railways), Algiers (Metro)

Egypt: Cairo (Metro)

Cameroon: Regifercam

Canada: STM Montreal (Metro)

Brazil: Rio de Janeiro (Metro)

Panama: Panama City (Metro)

Venezuela: Caracas (Metro)

Chile: Santiago de Chile (Metro)

Argentina: Tren de la Costa, Linea Sarmiento

South Korea: KR, SAMPYO (high speed lines)

India: New Delhi (Metro), Kolkata (Metro), Hyderabad (Metro), Bangalore (Metro)

China: Chinese high speed line

Singapore: SMRT (Metro), SBST (Metro)

Hong Kong: KCRC (National Railways), MTR (Metro)

Australia: ARTC (Railways)

Bangladesh: National Railways

Malaysia: KTMB (National Railways)

Thailand: SRT (National Railways)

Taiwan: Taichung (Metro)

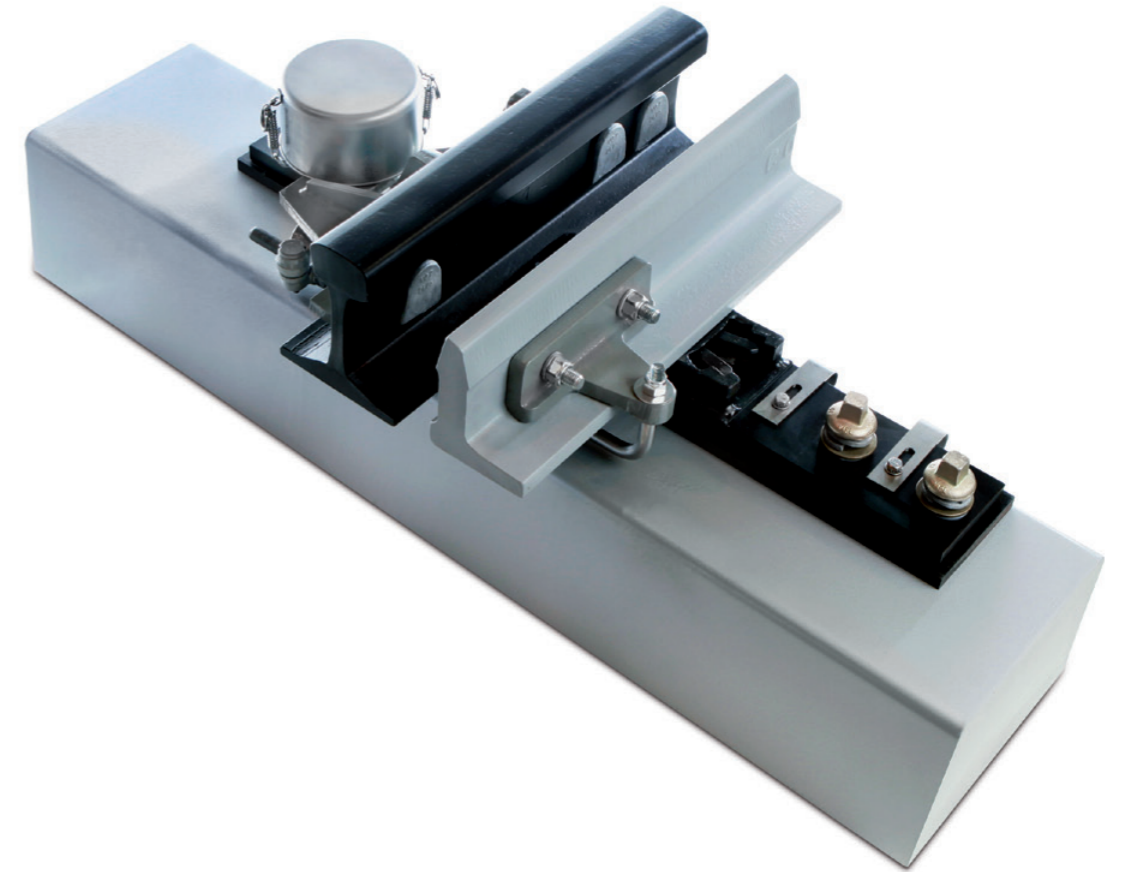
Vossloh Cogifer SA

21, avenue de Colmar
92 500 Rueil-Malmaison - FRANCE
Tel.: +33 (0) 1 55 47 73 00
Fax: +33 (0) 1 41 29 19 18
info@vossloh.com



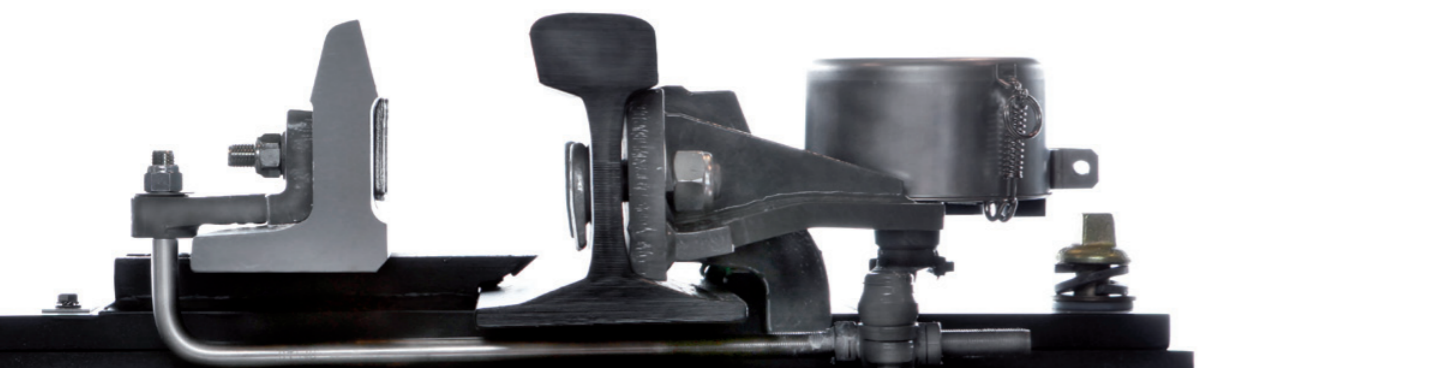
ANKARA - KONYA High speed line, Turkey

www.vossloh.com



"PAULVÉ" switch position detector

"The most reliable detection,
is always the closest to the switch rail"



'More than 30 years of trust, more than 100 000 "PAULVÉ" detectors in track, a lasting relationship...'

Expert in high speed turnout equipment, Vossloh offers a unique product for detection of switch point position. Based on unequalled know-how and over thirty years of experience on site, the switch rail application and opening detector benefits from tremendous feedback from France and export markets.

Recommended by the most demanding networks, the "PAULVÉ" switch position detector meets the NF F 52-151 and NF F 52-161 safety standards. It is used in high speed applications and non-locked switches. By its direct mounting on the stock rail and the switch rail, it is the only one allowing accurate and reliable detection.

Designed to meet the highest standards, this detector offers performance and robustness in the toughest conditions. Its design allows quick installation anywhere on the turnout (switch toe or heel). Maintenance is easy, making this detector a very durable product.



Description

The "PAULVÉ" detector is made up of various components:

- An outside protective cover with padlock option
- A crank
- An adjustment block
- A driving rod
- A contact housing with connecting terminal block
- A sealing cover
- A detection cam
- Damped contact rockers

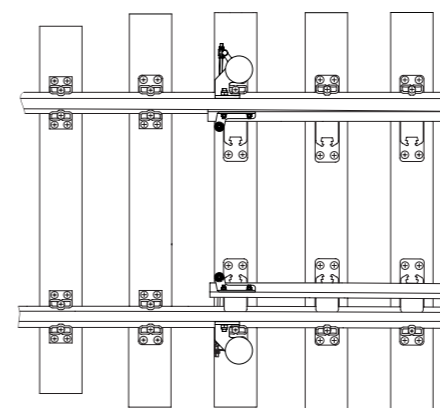
Technical characteristics

- Ingress protection rating: IP66
- Weight: 12 Kg
- 2 Opening contacts
- 2 Application contacts
- Adjustable detection values (1 mm accuracy)
- Almost insensible to switch expansion
- Anti-vandalism protection: optional
- MTBF: over 30 years

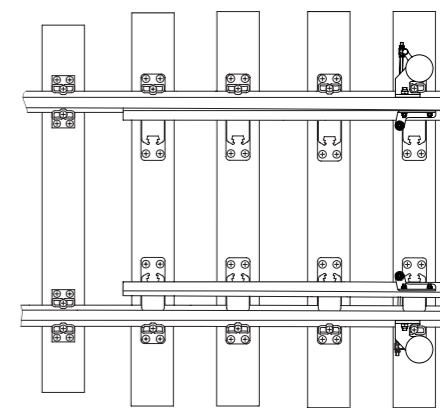
Operation

Due to its over-the-tie installation, the "PAULVÉ" detector enables mechanical tamping operations between bearers. The more pairs on the track, the higher the safety level.

Switch toe detectors over-the-tie.



Switch heel detectors over-the-tie.



Its implementation flexibility remains unequalled - it can be fixed on all types of rail profiles and is currently integrated in almost all signalling principles around the world.

Its damped contact system gives the detector electrical stability, even in the highest vibration fields. This contact quality twinned with a double cut-off capacity gives even greater safety.

Delivered with precabled connections, it stands up to the worst weather conditions (IP66). It is also well protected from projectiles by its stainless steel cover.

