

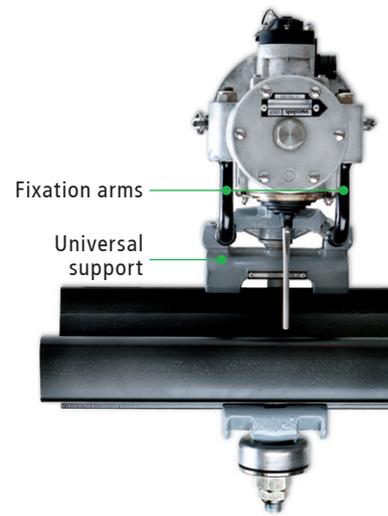
Traffic detector

"Cost efficient and portable traffic detector..."

With the benefit of a century of experience around the world, Vossloh offers technical solutions that are recognized and have been tested in extreme conditions by the largest rail networks.

With its robust and innovative design, the traffic detector is an electro-mechanical device used to detect the passage of a train or any vehicle moving on the rails. Used by the most demanding networks, the detector meets the most stringent safety standards.

The traffic detector is widely used on commercial lines with speeds up to 200 km/h. Main applications are traffic detection for level crossing and railway trackwork to prevent any incident. It is also widely used in railway stations as a complementary safety device.



'Efficient and suitable detection device clamped on rail-foot.'



Detection is activated by the lowering of a driving arm pushed by the vehicle's passage. Both running directions can be detected.

A temperature-compensated hydrostatic system provides a temporization on the driving arm. This can be set according to the user requirements between 3 and 25 seconds and stays unchanged for temperatures ranging from -30°C to 70°C.

Thanks to this feature, the traffic detector lifespan increases as not every wheel will hit the driving arm. The arm is made of a special alloy providing minimum wear, even for high speeds.

Technical characteristics

- Driving arm temporization: settable between 3 and 25 seconds
- Usage temperature: from -30°C to 70°C
- Control voltage: up to 115V AC 50Hz and 115V DC
- Weight: 7.5 Kg

The traffic detector operates even under heavy vibrations. It is entirely sealed and requires very few maintenance. Replacing the driving arm or the whole device is carried out on site in a very short time. It is the only maintenance task that may have to be performed. There are several types of traffic detectors.

To retrieve any signal, the detector fits on the right or on the left of the track. The only difference stands in the electrical contact commutation block. This can be adapted to the requested detection diagram.

Very fast connection to any type of rail can be achieved thanks to its universal support bracket. No adjustment is required excepting height setting making the traffic detector operable very quickly.

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