The presence detector FLG 10-5 M is a modification of the vehicle detector FLG 10-20 for the detection of road vehicles.

The presence detector FLG 10-5 M reliably detects vehicles (or persons and objects) within two monitored spacial cones. Upon entrance of a vehicle, each of the two signal outputs is activated without time limit as long as the object or vehicle is within the monitoring area.

With the simultaneous use of both signal outputs and their external logical operation by means of AND or OR operations, the sensor can be used for object detection or for travel-direction detection.

The vehicle detector FLG is an infrared reflection sensor with defined suppression of the background signals, i.e. the vehicle or the detected object forms the reflector.

The detection range and the effectiveness of the background suppression can be adjusted by the user within a large range.

The detection range is dependent on the reflectivity of the vehicles to be detected. It is > 8 ... 10 m for black metallic paint and > 10 m for other colours.

For a safe detection of very flat vehicles, it is recommended to arrange the sensor at a height of 0.7 m above the road surface.

**APPLICATION**

- Active infrared presence detector FLG 10-5M for detecting vehicles

**FEATURES**

- Triangular reflection light scanner with suppression of the foreground or background signal
- Insensitive to air turbulence, external light, sunlight and weather conditions (snow, rain, fog)

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