Single-Channel Detector
TLM .....

Connected to a buried inductive wire loop, the single-channel TLM reacts to any presence or variation of a metallic mass over the controlled area. -.
A permanent or calibrated output information is then given.

Parameters are set on the front face and can be locked by the user.

Applications :

Access control.
Parking management.
Automatic doors
Barriers.

Characteristics

Self tuning loops. Self monitoring system.
Clear state-of-operation display by LED.
Easy installation and adjustment.

Main features

- **Integrated self-diagnostics**

Clear state-of-operation displayed by LED indicator, making using and maintenance easy (open or short loops circuit, instability ...).

- **Low signal**

LED indicator flickers if the sensitivity is too weak. It avoids loosing information.

- **High sensitivity**

The potentiometer allows an easy and accurate adjust-ment of the sensitivity

Presence signal

Unlimited presence time is given for access and parking applications.

The counting option is time-limited or calibrated independently from the metallic mass.

- **Vehicule presence time «**

Depending on the application, the presence time can be limited or adjustable (2 to 80 mn) by log. potentiometer or unlimited (permanent **detection without reset).**

- **Easy set up**

Self checking and self tuning when switched on. Din-rail socket and rear mount 11-pin connector.

References

TLM series : single channel
Single channel for permanent detection (presence) TLM- 0 - 800.
Single channel for permanent detection + counting (présence + pulse) TLM- 2 - 800..

Accessories:

Prefabricated loops, cable link 10M
Perimeters : 6 - 9 - 12 - 16 M

Technical characteristics

Presence sensing memory	**Permanent (presence time not limited). Reset time 4mn**
Sensitivity dynamic	**Factor 50, adjustable by potentiometer from 0.008% to 0.8%**
Loop inductance	Min = 10 µH Max = 1500 µH
Mode	Omnidirectionnal
Output	Discrete output relay
Response time	Constant on the entire inductance range, independant from frequency: 60 ms typ.
Nominal supply voltage Un	24 VACDC
Tolerance on Un	Un = ± 20 %
Power consumption	< 1,5 VA
Supply switch OFF tolerance :	0,5 sec. Typical
Temperature	Storage - 45° + 80° C Use - 15° + 70° C
Sealing/dimensions/weight	IP 40 / with socket 80 x 40 x 105 mm / 180 g
Electrical wiring	DIN-rail socket and rear mount 11-pin connector
Adjustment	Switch and potentiometer / Possible locking of parameters by the user
Indicator	Clear-state- of- operation displayed by LED indicator
Norm	Conform to CE norms

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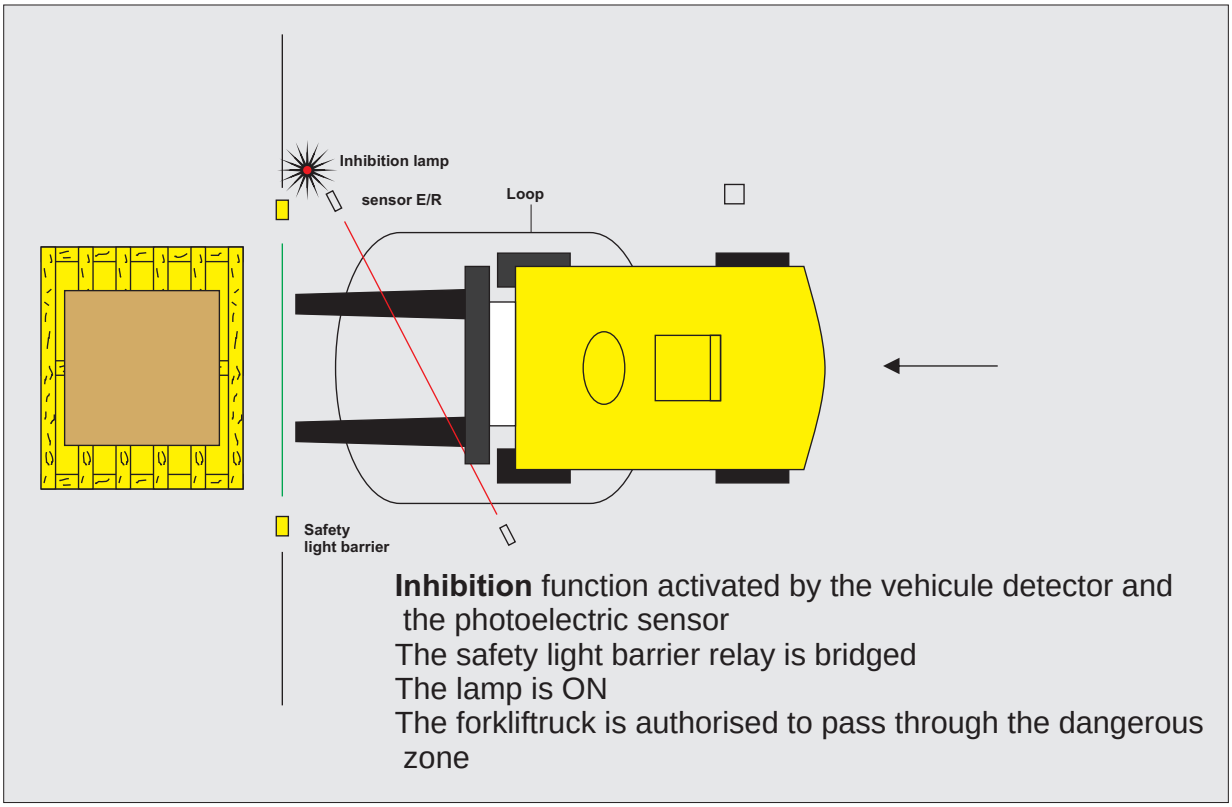
Distinction man / forkliftruck

The passage of the forkliftruck through the dangerous area is authorised while a man passing through the same area will inhibit the safety device.

Inhibition is activated by means of the safety light barrier inputs, guided by external photoelectric sensors which are able to distinguish between a forkliftruck and a person.

Connected to a burried inductive loop, the vehicule detector, associated to a photoelectric senor, controls the inputs of the safety relay whose contacts bridge the contacts of the light barrier safety relay.

- To be needed :
    1 photoelectric sensor with a NPN output, ON when detecting.
    1 vehicule detector.
    1 flashing lamp plugged on one of the contacts of the muting relay signalling that the light barrier is desactivated.



Inhibition function activated by the vehicule detector and the photoelectric sensor
The safety light barrier relay is bridged
The lamp is ON
The forkliftruck is authorised to pass through the dangerous zone