



GLD-1 24V

Gas leakage detector

Technical reference

www.tegas.lt

Ver.1.00 (2016.10.10)

Device description



Gas leakage detector GLD-1 is intended for installation onto cars in order to prevent fire which could occur due to broken or defective hoses, reducers and other possible reasons. If gas concentration achieves certain limit within checked area this device blocks active valve, i.e. prevents concentration from dangerous value.

Installation

There are two options:

1. Installation without air hoses. The body of sensor is installed close to dangerous area. In this case response to air contents could be slow.
2. The sensor is installed in any convenient place. The control is done by air feeding with hose. Air has to continually circulate through sensor. It is achieved by connecting second hose to low pressure area. Car air inlet is suitable for that purpose.

Extra sensor could be installed close to gas tank.

Adjustment

Adjustment of gas escape sensor must be done only after fully adjusted gas system. First of all, check gas leakage. The room has to be ventilated very well.

1	Green blinking with 1.2 sec interval
2	Green blinking with 0.8 sec interval
3	Green blinking with 0.4 sec interval
4	Constant green indication
5	Red blinking with 0.8 sec interval
6	Red blinking with 0.4 sec interval
7	Constant red indication

There is gas valve blocking in the last case (No.7).

The choice of status is selected with a potentiometer which is situated from one side.

The status 1 corresponds to minimal sensitivity, the status No.6 corresponds to maximal sensitivity. It is not recommended to choose maximal sensitivity due to possible false snaps.

Technical features

Supply	9...28 V
Maximal switched current	3A

Connection diagram

