

AS-LG-MONITOR

Overfill protection amplifier for liquid gas



Alfons Haar

Prevents overfilling of stationary liquid gas tanks !

AS-LG amplifier according to VdTÜV 100,
with optical indicator and in compact design.

For connection to level sensor according to VdTÜV 100.



CE 0044

IBExU 06 ATEX 1104

Ex II (1) 2G Ex e mb [ia] IIB T4

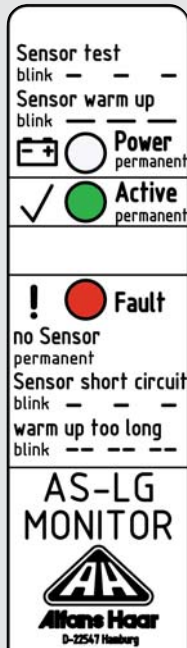
- Optical indication of all operating conditions
- Compact and rugged design in cast technology
- Easy and low-cost mounting
- Ex-approval for the installation in zone 1
- Short-circuit-protected outputs

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Function

The functional display via three LEDs allows the operator to recognize the respective operation condition of the amplifier at a glance.

After switch-on of the power supply the amplifier carries out an internal function test. During that time the white LED is on. When the GWG plug is not connected the red LED is also on.

After connection of the level sensor its function is controlled and it is heated-up. The white LED is blinking and the red LED is off. When the heat-up phase, including the aforementioned function test, corresponds to the specified set-points, this will be confirmed by flashing up of the green LED and the white LED is permanently on again.

In this condition the delivery can be started.

When the level sensor is acting, the amplifier stops the product delivery via solenoid valve and the green LED is off.

In case a failure occurs in the level sensor circuit during heat-up phase or during delivery, this will be indicated by blinking of the red LED and the product delivery will not be released respectively will be stopped.

Technical data

Housing:	Aluminium
Supply voltage:	24 V DC (21-32V)
Power input:	2W (without load at the outputs)
Housing protection class:	min. IP 54
Permissible operation temperature:	-35° to +60°C
Solenoid valve output:	24V, 300 mA
Circuit limit value transmitter:	intrinsically safe Ex ia IIB
Dimensions:	height = 190mm, width = 33mm, depth = 100mm
Fastening:	via 2 screws M6 (not included)
Weight:	1.1 kg

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Part no.. 2233902

Accessories

Solenoid valve Ex MVB 3/2 B1	1339377
Socketed 3P3H16A NR4510 DIN 49465	1320021
Cable reel fixed KM 50/1 AF incl. 50m cable	1320803