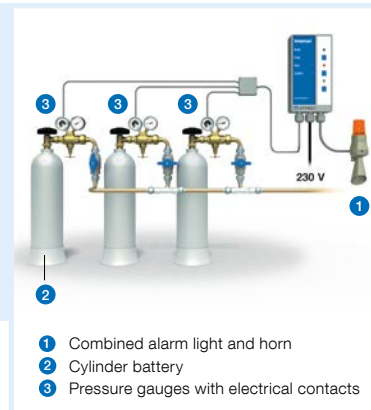
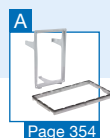


Alarm unit for low gas level

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- **Logistics made easy: Just in time information on empty gas cylinders**
- **With visual/audible alarms, Test and Acknowledge buttons**
- **Relay output for event reporting system EMS**



Application For monitoring the pressure in gas-filled containers (e.g. pressure control panels, cylinder batteries or bundle stations).

Function The alarm signal is generated by a pressure gauge with an electrical contact. The alarm threshold can be set to any value from 5 to 95 % of the range by means of the contact arm of the pressure gauge. A green LED indicates normal operation. In case of a power outage, the device does not generate an alarm signal; when power becomes available again, the unit immediately resumes operation. If, in the meantime, the gas pressure has fallen below the set limit, an alarm signal is generated. In the case of an alarm, the red LED lights up; in addition, the system generates an audible alarm. The audible alarm can be acknowledged. The red LED remains lit.

Proper operation of the system can be checked at all times by means of the Test button. If this button is pressed, the system must generate an alarm, i.e. the red LED must light up and the audible alarm must sound.

Description The system consists of one or several pressure gauges with electrical contacts (connected in series), a control unit (alarm unit for low gas level) and, if required, an additional alarm unit.

The pressure gauge is equipped with a magnetic spring contact which is actuated by the pointer of the pressure gauge. The ranges of the pressure gauges can be selected as required. If several gas containers are to be monitored, several pressure gauges with electrical contacts can be connected in series and monitored by a single alarm unit for low gas level. It is also possible to connect a separate alarm unit for each measuring point.

An EMS event reporting system can be connected to the relay output of the alarm unit for low gas level for remote monitoring.

Technical specifications

Operating temperature range

Ambient: -20/+50 °C

Supply voltage

AC 230 V ±10 %

Power input

5 VA

Circuit to pressure gauge

Intrinsically safe, maximum values:

$U_i = 16.8 \text{ V}$

$I_i = 57 \text{ mA}$

$P = 240 \text{ mW}$

$c = 180 \text{ nF}$ for IIC

675 nF for IIB

$L_i = 1 \text{ mH}$ for IIC

8 mH for IIB

Switching output

Relay contact: 1 voltage-free changeover contact
Contact rating: Max. 250 V, 2 A,
(resistive load)

Response delay

None

Intrinsic safety

[Ex ia] IIC / Ex ia IIB

Housing

Wall mounting housing made of impact-resistant plastic (ABS) W x H x D: 100 x 188 x 65 mm

Degree of protection

IP 30 (EN 60529)

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See the catalogue DOMESTIC TECHNOLOGY for additional WATCHDOG LINE alarm units for the detection of level, liquids, leaks, gases or smoke.

DG: M, PG: 4	Part no.	Price €
Alarm unit for low gas level	67006	

Blue part no. = in-stock items