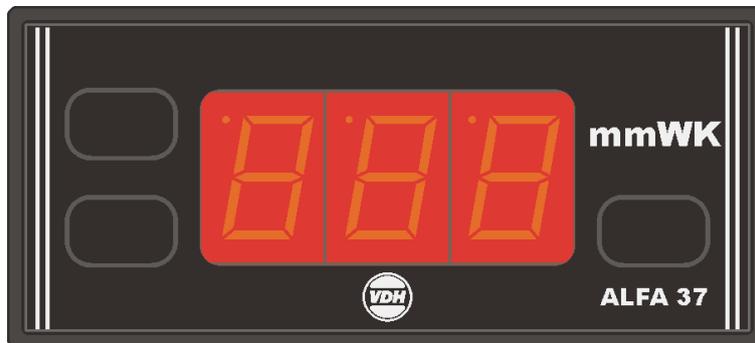


User manual ALFA 37 'mmWK'

Low pressure gauges with a range -5/+20mmWK
and a 2-wire input 4-20mA



VDH doc. 071745

Version: v1.0

Date: 22-06-2007

Software ALFA 37 mmWK_F

File: Do071745.wpd

Range -5 / +20 mmWK, (per 1 mmWK)

* Installation.

On the top side from the **ALFA 37** you can see how the sensor and power supply has to be connected. After connecting the **ALFA 37** to the power supply, a self test function is started. As this test is finished, the measured pressure appears in the display.

* Controlling.

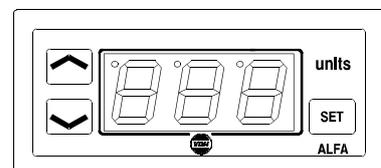
The **ALFA 37** low pressure gauge don't need push buttons for normal use. For dimming the sensor there three hided pushbuttons on the front.

These keys are;

- SET** - view / change the adjusted value
- UP** - increase the adjusted value.
- DOWN** - decrease the adjusted value.

The hided push buttons are located at the following places:

- SET** - Lower right side beside the display.
- UP** - Upper left side beside the display.
- DOWN** - Lower left side beside the display.



* **Setting internal parameter.**

The dimming of the sensor can be adjusted with an internal parameter. By pushing the **DOWN** key more than 10 seconds, you enter the 'internal programming menu'. In the left display the upper- and lower-segment are blinking. The value can be read-out by pushing the **SET** key. Pushing the **UP** or **DOWN** keys, allows you to change the value of this parameter. If no key is pushed for 20 seconds, the **ALFA 37** changes to it's normal operation mode.

* **Parameter list ALFA 37.**

PARA-METER	DESCRIPTION PARAMETER	RANGE	STANDAARD VALUE
04	Dimming pressure signal	2..20	10

* **Adjusting read-out.**

The pressure read-out has to be adjusted on the pressure sensor itselfs with the use of the Adjust screw (see connections diagram PX25-2).

* **Adjusting dimming.**

The input signal can be dimmed so the read-out will be slower. (parameter 04) The higher the value the bigger the dimming.

* **Error messages.**

On the display from the **ALFA 37** the following error messages can appear:

EE - Adjustments are lost.
Solution: - reprogram the adjustments.

* **Technical data.**

Type : ALFA 37 Low pressure gauge
Range : -5/+20 mmWK, read-out per 1 mmWK
Supply : 230 Vac (of 24Vdc of 12Vdc)
Relay : SPDT 250V/16A(C-NO), 8A(C-NC) (cos phi=1)
Controlling : Through push buttons on the front.
Front : Polycarbonate
Pressure sensor : Px25 (+4/+20mA = 0/1"WC), needs external supply (12Vdc)
Dimensions : 35 x 77 x 71,5mm (hwd)
Panel cut-out : 28 x 70mm (hw)

- Provided with memory protection during power failure.
- Connection with screw terminals on the backside.
- Special version are available upon request.

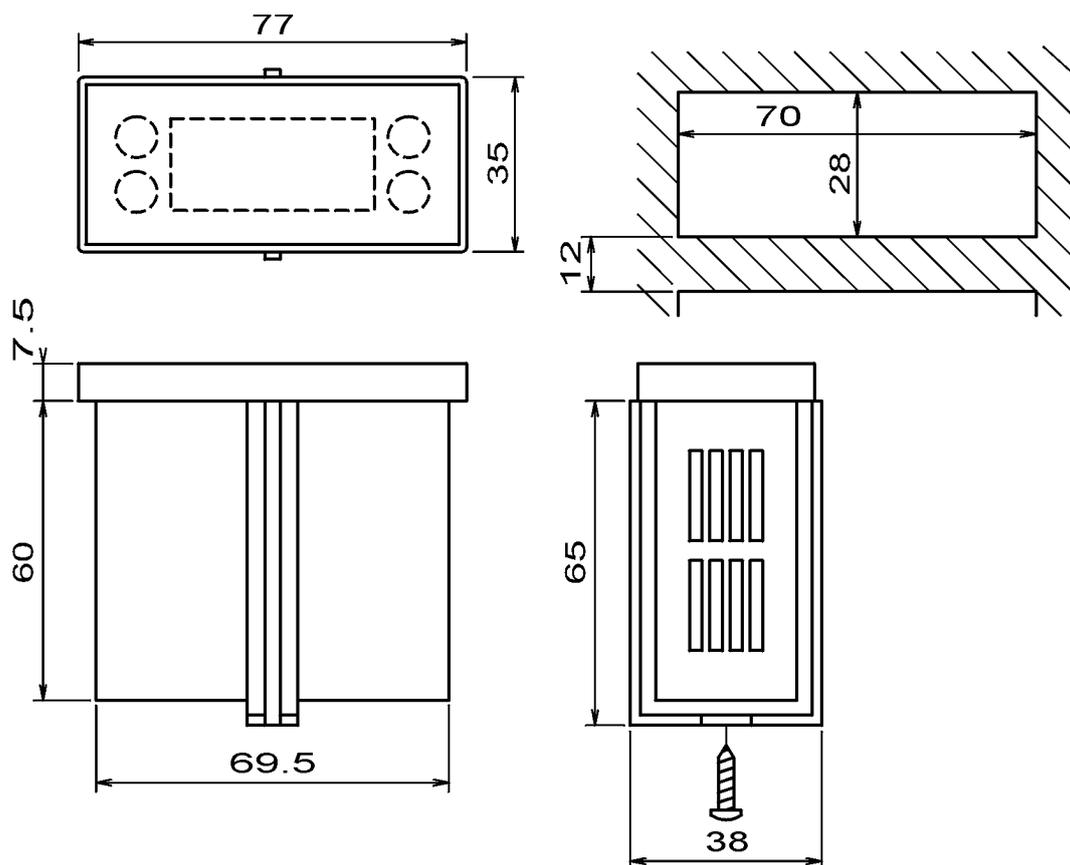


* **Address.**

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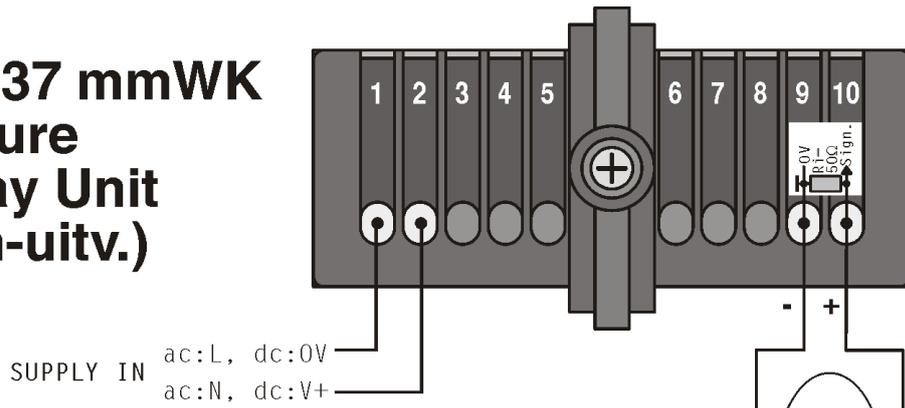
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* **Dimensions.**

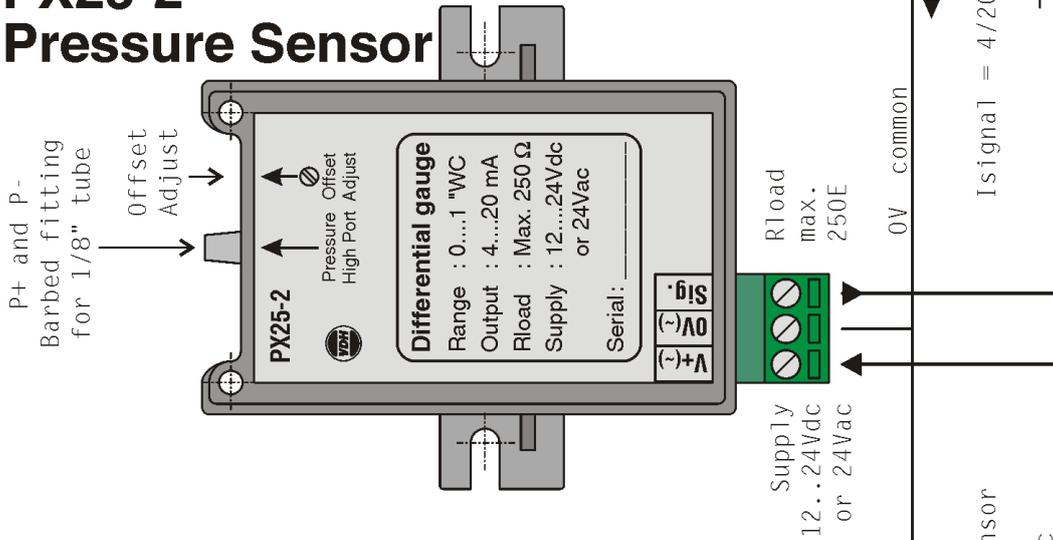


* Connections.

ALFA 37 mmWK Pressure Display Unit (Flash-uitv.)



PX25-2 Pressure Sensor



Supply unit f.i. SM615

