

# LGW...A2, LGW...A2P, LGW...A4 压力控制器

## 技术说明书



### Product Description

Differential pressure monitors LGW ... A2, LGW ... A2P, LGW ... A4 are adjustable differential pressure monitoring devices for combustion plants. set for adaptation

When the actual pressure value is changed from the rated pressure value, the differential pressure monitor can be used for the opening and closing stage conversion of the flow circulation circuit.

The rated value is adjusted by a graduated adjustment wheel. The lower part of the LGW...A2P is equipped with a detection key.

### Application

Pressure monitors are used for pressure monitoring in combustion, ventilation and air conditioning technology. Suitable for air, flue gas exhaust and other non-corrosive

Sexual gas. Not suitable for industrial gas.

### license

According to the State License for Use of Gases, the Technical Supervision Institute is a special pressure according to TRD 604 and V dTUV pressure 100/1 instructions

Monitor, class "S" according to EN 1854.

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**Technical data**

<b>Max.operating pressure</b>	LGW 3A2 – LGW 150 A2	500 mbar	(50 kPa)	
	LGW 3A2P – LGW 150 A2P	500 mbar	(50 kPa)	
	LGW 3A4 – LGW 150 A4	500 mbar	(50 kPa)	
Range	0,4 – 3 mbar			
	1 - 10 mbar			
	2,5 – 50 mbar			
	30 – 150 mbar			
Pressure connection	LGW A2: Hose connection $\varnothing$ 4,6 mm			
	LGW A4: Connector G 1/44			
	LGW A2P: G1/4 under center housing – tapered female thread for excess pressure, with detection key, connection $\varnothing$ 4,6 and G 1/8 female thread for undervoltage			
Temperature range	Ambient temperature: -15°C to +60°C			
	Medium temperature: -15°C to +60°C			
	Storage temperature: -30°C to +85°C			
Materials	Housing:	(A2/A2P)-PC Polycarbonate	A4-Aluminium die casting	
	switch parts:	polyester		
	Diaphragms:	NBR		
	Switching contact:	Ag		
		Optional: silver plated (copper), For DDC applications: DC 24V; 0.01 A		
switching voltage	Agcontact:	AC eff.	min.24 V	max.250 V
		DC	min.24 V	max. 48 V
	Au contact:	DC	min. 5 V	max. 24 V
Rated current	Ag contact:	AC eff	10 A	
	Au contact:	DC	20 mA	
switch current	Ag contact:	AC eff.	max. 6 A	COS $\varnothing$ Hr
		1 Hr		
		AC eff.	max. 3 A	COS $\varnothing$
		0,6		
		AC eff.	min. 20 m ADC	
	Au contact:	min. 20 mADC	max. 1	
		ADC min 5 mA	MAX. 20 Ma	
Electrical connection	Standard structure: connected to screw-fixed terminals via cable entry M20X1,5			
	Special design: plug connection for line sockets according to the international industrial standard DIN EN 175 301 – 803, 3-pole with protected contacts.			
adjust	Field selectable up or down adjustment			
	IP 54 meets the requirements of International Standard IEC 529 (International Standard EN 60529)			
Setting tolerance	$\pm$ 15% switching point deviation referred to reference value, adjusted at pressure rises, vertical diaphragm position			

**Installation location****Standard installation position**

When installed horizontally, the membrane is positioned vertically, and the pressure monitor operates when the overpressure is about 0.5 mbar.

When installed horizontally, the pressure monitor is activated when the underpressure is about 0.5 mbar.

When installed in an intermediate position, when the deviation from the adjusted rated value is a maximum of  $\pm$  0.5mbar,

Then the pressure monitor operates.

