

LGW-2G-... PRESSURE SWITCH

Zones 1, 2

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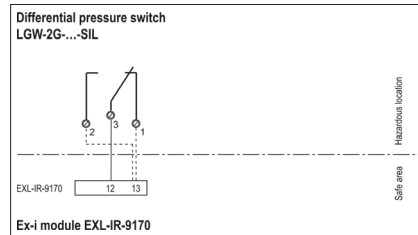
ATEX INSTRUMENTATION

ZONES 1, 2 (gas)

The differential pressure switch LGW-2G-...-SIL is suitable for monitoring over-, differential- and underpressure of air, gaseous, non-aggressive media in air ducts, in supply or exhaust air units.

In combination with Ex-i switch type EXL-IR-9170 with intrinsically safe circuit, the sensors can be used in hazardous locations in zone 1 and 2. The switching amplifier may only be installed and operated in non-hazardous atmospheres.

The sensor has a passive, potential-free switch contact.



ITEM REFERENCES

Designation:	Range:	Switch difference:	Item No.:
LGW-2G-40-300-SIL	40... 300 Pa	30 Pa +/- 15 %	9A2801
LGW-2G-100-1000-SIL	100... 1.000 Pa	30 Pa +/- 15 %	9A2802
LGW-2G-250-5000-SIL	250... 5.000 Pa	30 Pa +/- 15 %	9A2803
LGW-2G-3000-15000-SIL	3.000...15.000 Pa	30 Pa +/- 15 %	9A2804

Ex-i CIRCUIT

Designation:	Voltage:	Max. voltage Uo:	Max. current Io:	Max. power Po:	Safety- related max. voltage:	Item No.:
9170/11-13-21s	110 - 230 VAC	9.6 V	10 mA	24 mW	253 V	9A2901
9170/11-11-11s	24 VDC	9.6 V	10 mA	24 mW	253 V	9A2902

TECHNICAL SPECIFICATIONS

Marking:	Simple apparatus
Certificate:	Declaration of Conformity
Contact:	Single potential free switch
Max. operating pressure:	50.000 Pa (500 mbar)
Ambient temperature:	-15...+70 °C
Storage temperature:	-15...+70 °C
Humidity:	0...50 %rH, non condensing
Medium:	Gaseous, non aggressive
Diaphragm:	NBR, silicone free
Pressure connection:	Ø 4,6 mm
Enclosure:	Plastic, PC
Ingress protection:	IP54 (EN60529)
Dimensions and weight:	82 x 82 x 46,5 mm, approx. 200 g
Protection class:	Simple apparatus acc. to EN 60079-0/ EN 60079-11
Scope of delivery:	1 differential pressure switch type LGW-2G-...-SIL
Installation area:	Zone 1 or 2 when using a Ex-i switch type EXL-IR-9170
Installation Ex-i module (EXL-IR-9170):	Safe area
Cable entries:	1xM20 plastic cable gland (Ø 7-13 mm)