G003511

IR Gas detector with flow house

Salwico GD FH TRUE IR

Part no. 5200204

System: Salwico SW2020

General Description

The Salwico GD FH TRUE IR gas detector is a point detector for gas concentration monitoring potentially hazardous environment.

Salwico GD FH TRUE IR with flow house is normally fitted inside sampling systems.

This gas detector is based on infrared absorption. Solid state design improves reliability, long-term stability and accuracy in continuous measurement of gas concentrations in ambient air.

Compared with catalytic sensors the Salwico GD FH TRUE IR has the following advantages:

- Proven high reliability and long term stability results in low test frequency and no calibration cost
- Automatic self test
- Failure will not give gas alarm
- Presence of oxygen is not required during equipment life time
- Immunity to poisoning from H_2S, silicone and other agents
- No saturation effects from high gas concentrations
- The gas flow rate has no influence on accuracy
- Several different mounting possibilities

Data

Detection method	IR-absorption, dual wavelength, dual path
Gases detected	Hydrocarbons
Nominal voltage	24 VDC
Working voltage	18-32 VDC
Working current	2 mA
Power consumption	Max 4.5 W
Ingress protection	IP66
Expected lifetime	15 years
Ex proof housing	EExd IIC T4
Response time	T50<4.5 sec, T90<6.5 sec
Accuracy	Baseline < ±1% LEL 50% FSD < ±2% LEL
Temperature range	-40°C to +65°C
Material	316 Stainless steel
Colour	Black/Silver
Weight	1.6 kg
Safety approvals	ATEX Ex, II 2 G EEx d IIC T5 (T_{amb} -40°C to +55°C) T4 (T_{amb} -40°C to +65°C) UL/CSA Class 1, Div 1, groups B, C, and D (-40°C to +65°C). GOST and SAA
Performance approvals	EN50054, EN50057, CSA C22.2 152.
EMC compliance	EN 50270

Part number

5200204-00A	Salwico GD FH TRUE IR C_3H_8
5200204-01A	Salwico GD FH TRUE IR CH_4
5200204-02A	Salwico GD FH TRUE IR CH_4 VOL%

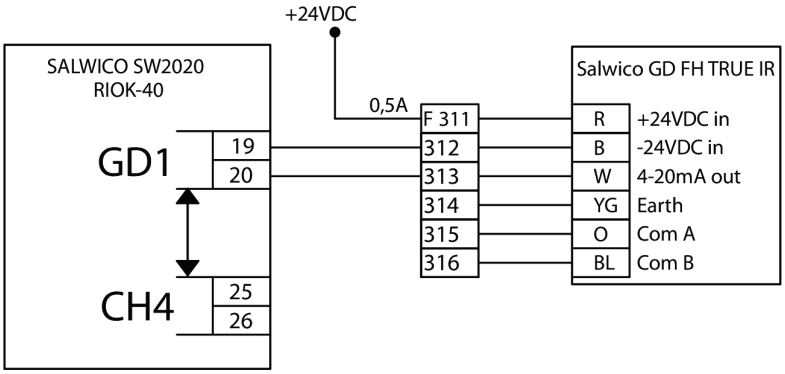
Accessories

5200202-00A	Handheld Interrrogator TRUE IR
5200210-00A	Salwico GD FH TRUE IR bracket

Mounting

Always mount Salwico GD FH TRUE IR horizontally.

Connection



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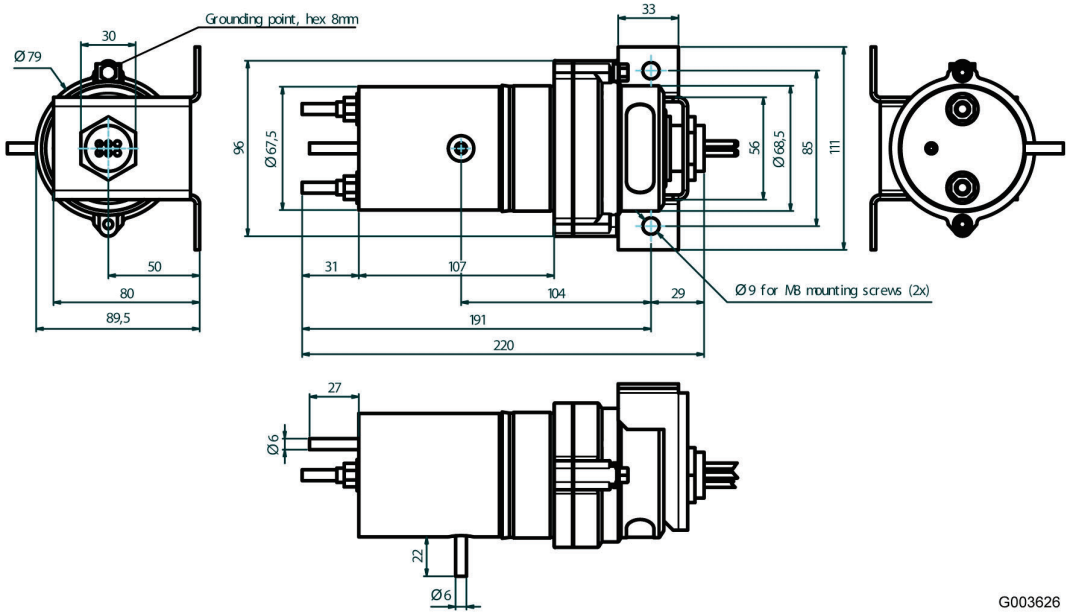
R = RED
B = BLACK
W = WHITE
YG = YELLOW and GREEN
O = ORANGE
BL = BLUE

Dimensions (mm)



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