

DGTi2 Gas Detector

Sensor Type:	NDIR Infrared Sensor
Output Signals:	4...20 mA, linear response
Operating Voltage:	24 VDC \pm 20 %, regulated
Max. Power Consumption:	3.0 W
Cabling:	4-wire connection, e.g. JAMAK 2x(2+1)x0.5 mm ²
Typical Sensor Life in clean air:	5 years
Typical T90 Response:	< 60 seconds
Operating Temperature:	-20...+50 °C
Operating Humidity:	0...95% RH, non-condensing
Degree of Protection:	IP54
Weight:	450 g
Note:	The calibration is done by using the handheld calibration device (IRC) via infrared link. Therefore the infrared lens of the device must be clearly visible. If ambient air pressure differs more than 5% from normal atmospheric, the detector shall be recalibrated at the installation site.
Indication lights:	Constant green: Normal operation mode. Constant yellow: Sensor failure. Blinking red: Gas alarm. Blinking will stop when the gas concentration is lower than the alarm limit.

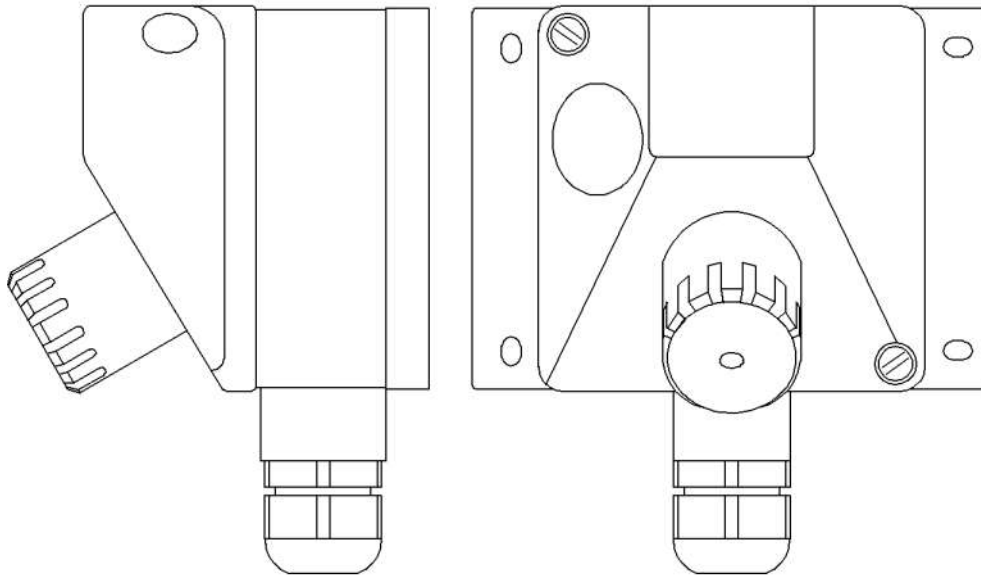


Figure 20, DGTi2 gas detector general view.

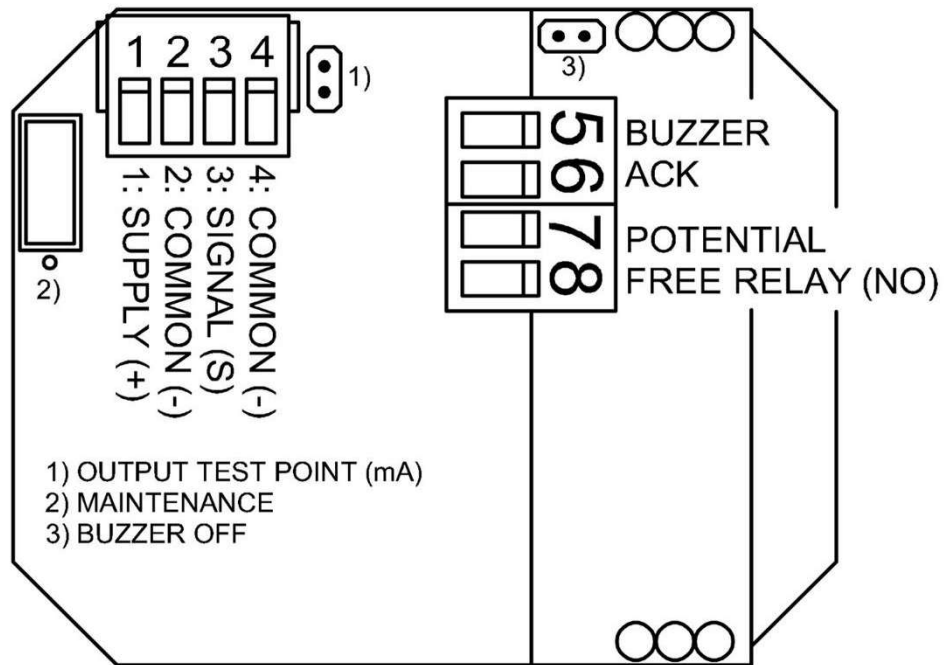


Figure 21, DGTi2 connections and layout on the circuit board. Buzzer and relay on DGTi2r.