

CS-GPS-01 Gas Pressure Sensor

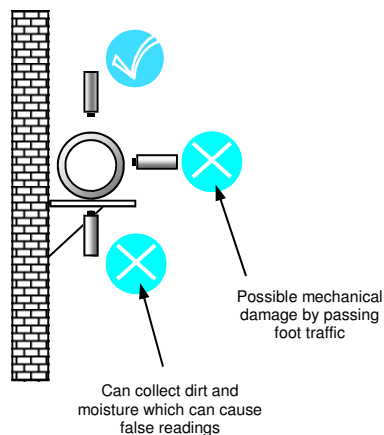
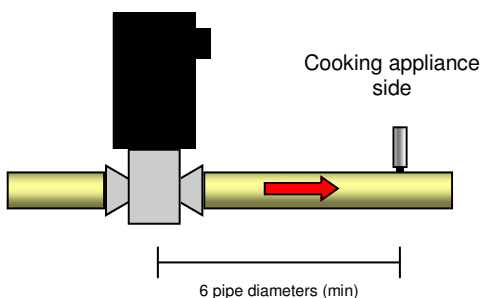
CaterSense® - Gas pressure sensor is used in conjunction with the CaterSense 02 & V2 range of controllers to monitor the gas pressure on the appliance side of the gas solenoid valve and control this valve in the event of a gas pressure fault.

The transmitter has 1 x 0~10v analogue output which is linear in respect of the range of detection (0~50mbar).

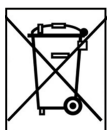
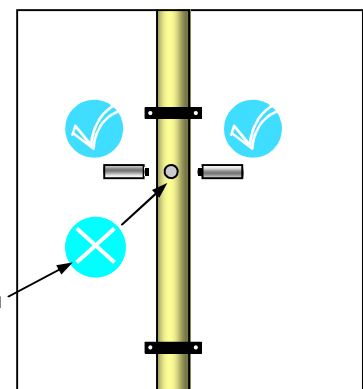


Model Type	Model	Description
	CS-GPS-01	Gas pressure sensor
Technical Data	Power supply	24Vdc
Range	0~50mbar	<i>Other ranges available - please contact us</i>
Wiring connections	Red	+24Vdc
	Black	0 volt dc
	White	0~10vdc (mbar output)
Connection	G 1/4" BSP Male	
Op temp	-40 ~ +105 deg.C	
Rating	IP65	

Gas pipe work mounted in the horizontal position



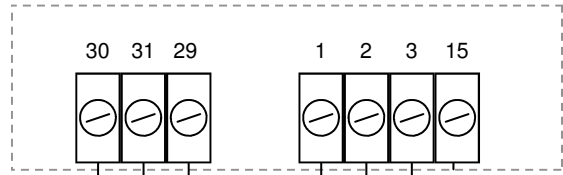
Gas pipe work mounted in the vertical position



This symbol on this product or the package indicates that disposal of this product after its lifecycle could harm the environment. DO NOT dispose of this product (or batteries if used) as unsorted municipal waste. It should be disposed by a specialised company for recycling. This product should be returned to your distributor or to a local recycling service. Respect the local environment rules.

Wiring details

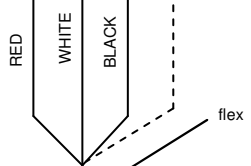
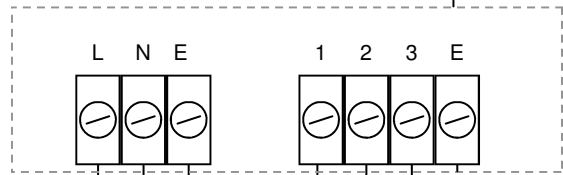
CATERSENSE ATSC GASVALVE & SENSOR TERMINALS



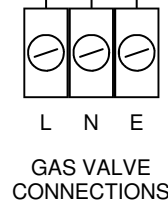
****PLEASE NOTE: For screen connection if used on CaterSense 02 and V2 main PCB please use either Earth, T15 or T18**

SCREEN CABLE

CS-GVJB-01 GAS VALVE & SENSOR JUNCTION BOX

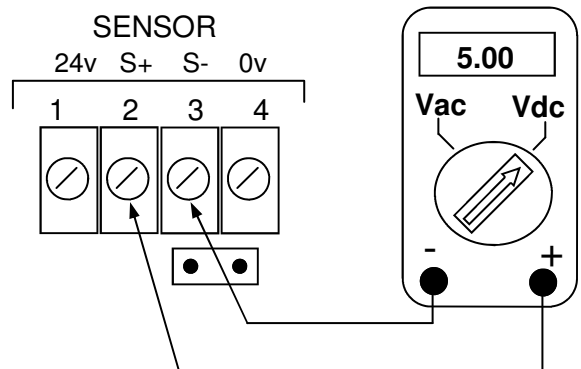


GAS PRESSURE SENSOR CS-GPS-01



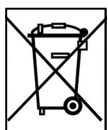
Gas Pressure to Voltage Table

Voltage Vdc	Gas Pressure mbar	Voltage Vdc	Gas Pressure mbar
0.25	1.25	5.25	26.25
0.50	2.50	5.50	27.50
0.75	3.75	5.75	28.75
1.00	5.00	6.00	30.00
1.25	6.25	6.25	31.25
1.50	7.50	6.50	32.50
1.75	8.75	6.75	33.75
2.00	10.00	7.00	35.00
2.25	11.25	7.25	36.25
2.50	12.50	7.50	37.50
2.75	13.75	7.75	38.75
3.00	15.00	8.00	40.00
3.25	16.25	8.25	41.25
3.50	17.50	8.50	42.50
3.75	18.75	8.75	43.75
4.00	20.00	9.00	45.00
4.25	21.25	9.25	46.25
4.50	22.50	9.50	47.50
4.75	23.75	9.75	48.75
5.00	25.00	10.00	50.00



OR JUST TAKE VOLTAGE READING AND TIMES BY 5

Example above: 5volts x 5 = 25 mbar



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