CS-SAT-01 Duct Temperature Sensor
CS-OAT-01 Outside Air Temperature Sensor
CS-PSS-01 Pipe Strap-on Temperature Sensor

CaterSense® - Temperature sensor is used in conjunction with the V2 range of controllers to monitor the temperature of the area in which it is mounted. This is either for system demand applications, tempered supply air control, or frost protection.

The transmitter has 1 x 0~10v analogue output which is linear in respect of the range of detection. The range of detection is selectable using the jumper links internal to the device.
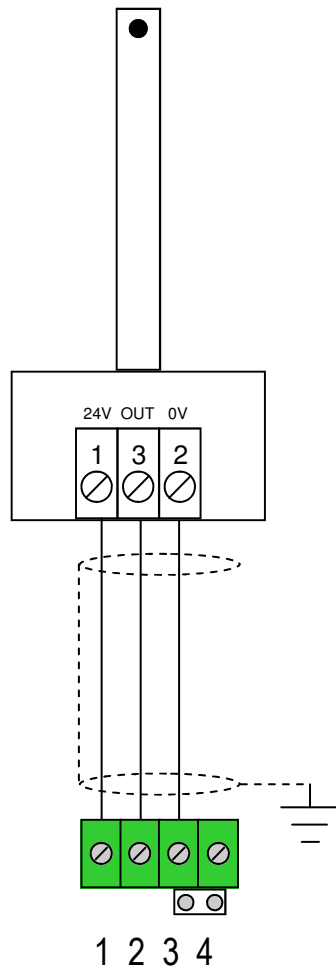

Model Type	Model	Description
	CS-SAT-01	Duct temperature sensor
	CS-OAT-01	Outside air temperature sensor
	CS-PSS-01	Pipework strap-on temperature sensor
Technical Data	Power supply	24Vac / dc
Range	0-50, 0-100, -50-+50, -50-+150	
Wiring connections	1	+24Vac / dc
	2	0 volt ac / dc
	3	0~10vdc (temperature output)
Op temp	-50 ~ +120 deg.C	
Rating	IP54 (cable entry down)	

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Web site: **www.trentproducts.com**

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Wiring details

Range Setting Table

S2	S1	Range
OFF	ON	0 / 50
ON	ON	0 / 100
ON	OFF	-50 / 50
OFF	OFF	-50 / 150

CATERSENSE SENSOR
INPUT TERMINALS
(SCREENED CABLE
RECOMMENDED)
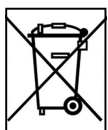

Temperature to Voltage Table (CS-SAT-01 & CS-PSS-01)

(Set sensor range to 0-100)

Voltage Vdc	Temperature °C	Voltage Vdc	Temperature °C
0.50	5.00	5.50	55.00
1.00	10.00	6.00	60.00
1.50	15.00	6.50	65.00
2.00	20.00	7.00	70.00
2.50	25.00	7.50	75.00
3.00	30.00	8.00	80.00
3.50	35.00	8.50	85.00
4.00	40.00	9.00	90.00
4.50	45.00	9.50	95.00
5.00	50.00	10.00	100.00
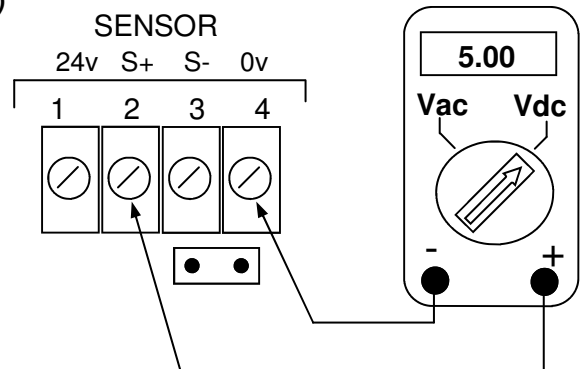
OR JUST TAKE VOLTAGE READING AND TIMES BY 10

Example above: 5volts x 10 = 50 °C

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