



An incoming temperature proportional resistance is fed into the BV approved unit from a PT 100 and compared with the preset value. When the preset value is crossed, a relay output enables an externally connected circuit to become operative.

FEATURES :

Manufactured according to European standard EN 60070-0:12 and EN 60070-11:12. Intrinsically safe circuit is galvanically isolated from both main input and output control circuitry - **1500V, 50Hz**.

Preset switches and a potentiometer provided the setting range from -50°C to 350°C, in the field.

OPERATION :

Output relay remains de-energized when temperature is below set point. Relay energizes when temperature reaches set point.

LEAD BREAKAGE MONITORING

Lead breakage monitoring through Red LED in switch S1, S2, S3 at OFF.

TECHNICAL DETAILS ART. NO. : [ODD 006 W]

Power Supply Section

Supply Voltage (nominal)	24VDC+ 10% at Terminals
	9(+), 12(-).
Ripple	≤ 10%

Field Area Section

Input	Through PT 100 at terminals 1,3 & 2
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Control Area Section

	Output Potential free relay changeover
Contact rating of relay	250V / 2A / Cosφ ≥ 0.7 at terminals 7 & 8

Certificate of Conformity **EPS 16 ATEX 1 019**

Parameters

Voltage u_i	DC 8,6V
Current I_i	26,5mA

Intrinsically Safety Parameters

Explosion Group	IIC	IIB
Maximum External Capacitance	1,2mF	4,5mF
Maximum External Inductance	2mH	10mH

Max. Ambient Temperature **-20 to 55°C**

SETTING

Switches	Measuring Range
1.1-1.4	for PT100
Switch 1.1 ON	- 50°C to +50°C
Switch 1.2 ON	+50°C to + 150°C
Switch 1.3 ON	+150°C to +250°C
Switch 1.4 ON	+250°C to +350°C

FEATURE:

- * Input RTD
- * Output Potential free contact
- * 3 point isolation
- * 22.5mm Width

APPROVALS:

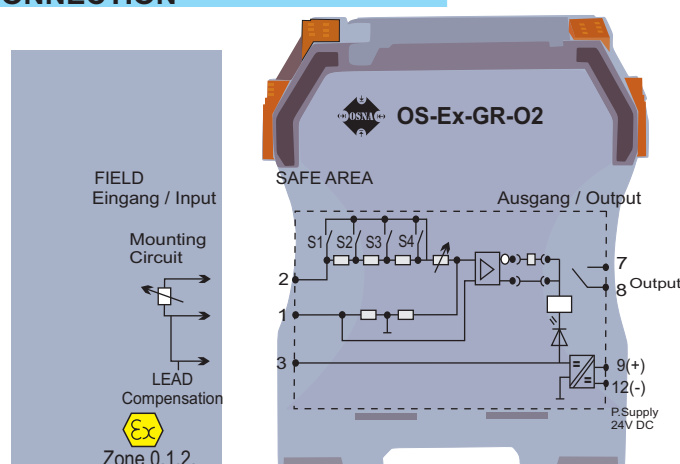
Confirming to EN 60079-0:2012 and EN 60079-11:2012.
ZONE & GAS GROUP: ZONE 1 & 2 Gas Group: IIC

BUREAU VERITAS Certificate No. **EPS 16 ATEX 1 019**.

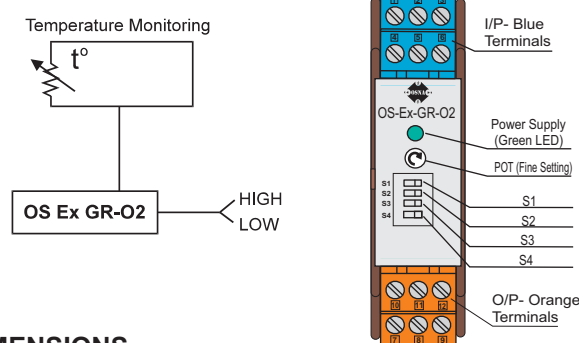
CIMFR Approval No. **CIMFR/TC/P/2294**

PESO Approval No. **A/P/HQ/DL/104/5576(P410684)**

CONNECTION



ASSEMBLY



DIMENSIONS

