

# O16

## Temperature controllers for ambient applications



### Applications

O16 instruments are thermostats equipped with a unipolar SPDT switch that opens or closes when the temperature increases or decreases.

### Common features

#### O16 - ambient applications

SPDT single pole switch electrical rating:	16 (16) A 250V~ normally open or normally closed 1 (1) A 250V~ opposite side.
Ambient operating / storage temperature:	-30°C...+55°C / -40°C...+65°C
Electrical contacts:	1 common; 2 opens the contact when the temperature increases; 4 closes the contact when the temperature increases
Cable entry:	14mm insulating bushing
Installation:	two threaded holes in the back of the casing to accept M4x6mm screws (supplied)
Regulation:	by means of hex nut incorporating recess for crosshead screwdriver, on both range and differential spindles. An adjustable knob is also available, supplied as standard with certain models.
Casing enclosure rating:	IP44 (with top cover installed)

Part number	Measurement range (°C)	Differential** (°C)		Dimensions sensing element (mm)
		Upper limit	Lower limit	
<b>O16-H6900</b>	from (-40)-35 to -7	1.0 fixed	1.5 fixed	Ø 49 max x 43 max
<b>O16-H6901</b>	from (-22)-18 to +13	1.0 fixed	1.5 fixed	Ø 49 max x 43 max
<b>O16-H6902</b>	from (-10)-5 to +25	1.0 fixed	1.5 fixed	Ø 49 max x 43 max
<b>O16-H6903</b>	from (+5)+10 to +40	1.0 fixed	1.5 fixed	Ø 49 max x 43 max
<b>O16-H6904</b>	from (-40)-35 to -7	from 1.0 to 6.0	from 3.0 to 12.0	Ø 49 max x 43 max
<b>O16-H6905</b>	from (-22)-18 to +13	from 1.0 to 6.0	from 3.0 to 12.0	Ø 49 max x 43 max
<b>O16-H6906</b>	from (-10)-5 to +25	from 1.0 to 6.0	from 3.0 to 12.0	Ø 49 max x 43 max
<b>O16-H6907</b>	from (+5)+10 to +40	from 1.0 to 6.0	from 3.0 to 12.0	Ø 49 max x 43 max

Special versions are available upon request.

**\*Lower operating limit:** Values in brackets preceding the measurement range indicate minimum lower operating limit values. Accordingly, the range /differential combination must never fall below these values.

**\*\*Differential:** The differential does not remain constant across the full measurement range. This is due to the physical properties of the bellows charge gas.

### Dimensions

