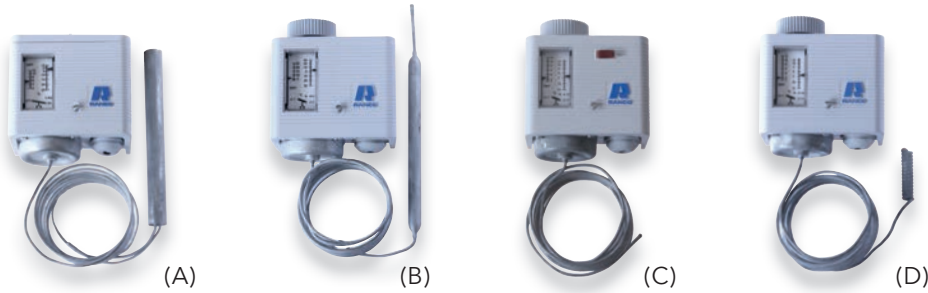


O16

Temperature controllers with contact sensing element



Applications

O16 instruments are thermostats for room and commercial refrigeration, and are equipped with a unipolar SPDT switch that opens or closes when the temperature increases or decreases.

Common features

O16 - bulb / coiled / capillary sensing element

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)		Length of capillary including bulb (mm)	Tube dimensions (mm)	Sensing element type
		Upper limit	Lower limit			
O16-H6980	from (-22)-18 to +13	from 1.7 to 7.0	from 3.0 to 12.0	2000	Ø 14,5 x 140	(A) Cross ambient
O16-H6981	from (-10)-5 to +25	from 1.7 to 7.0	from 3.0 to 12.0	2000	Ø 14,5 x 140	(A) Cross ambient
O16-H6982	from (-2)-1 to +10	1.0 fixed	1.0 fixed	1830	Ø 14,5 x 140	(A) Cross ambient
O16-H6983	from (+5)+10 to +40	from 1.7 to 8.0	from 3.0 to 12.0	1830	Ø 14,5 x 140	(A) Cross ambient
O16-H6930	from (-40)-34 to +32	from 3.0 to 22.0	from 3.0 to 22.0	2000	Ø 9,5 x 150	(B) Cross ambient
O16-H6932	from (+30)+35 to +115	from 2.0 to 14.0	from 2.0 to 14.0	2000	Ø 9,5 x 150	(B) Cross ambient
O16-H6989	from (-10)-5 to +29	from 1.7 to 7.0	from 3.0 to 12.0	2000	Ø 14,5 x 140	(A) Cross ambient°
O16-H6931	from (-40)-34 to +32	from 3.0 to 22.0	from 3.0 to 12.0	2000	Ø 9,5 x 150	(B) Cross ambient°
O16-H6921	from (-40)-35 to - 7	from 1.7 to 7.0	from 3.0 to 12.0	2000	-	(C) Straight capillary
O16-H6922	from (-22)-18 to +13	from 1.7 to 7.0	from 3.0 to 12.0	2000	-	(C) Straight capillary
O16-H6924	from (-10)-5 to +25	from 1.7 to 7.0	from 3.0 to 12.0	2000	-	(C) Straight capillary
O16-H6950	from (-40)-35 to - 7	from 1.7 to 7.0	from 3.0 to 12.0	2000	Ø 9,3 x 38	(D) Coiled capillary
O16-H6951	from (-22)-18 to +13	from 1.7 to 7.0	from 3.0 to 12.0	2000	Ø 9,3 x 38	(D) Coiled capillary
O16-H6953	from (-22)-18 to +13	1.0 fixed	1.0 fixed	2000	Ø 9,3 x 38	(D) Coiled capillary°
O16-H6954	from (-10)-5 to +25	from 1.7 to 7.0	from 3.0 to 12.0	2000	Ø 9,3 x 38	(D) Coiled capillary
O16-H6959	from (-22)-18 to +13	1.0 fixed	1.0 fixed	2000	Ø 9,3 x 38	(D) Coiled capillary
O16-H8923	from (-22)-18 to +13	1.0 fixed	1.0 fixed	6000	-	(C) Straight capillary
O16-H8926	from (-22)-18 to +13	1.0 fixed	1.0 fixed	6000	-	(C) Straight capillary°

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.

° Versions with stop button