

O16, O52 Thermostats for cooling and ambient air

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RANCO

Applications

O16 and O52 are thermostats for room and commercial refrigeration, equipped with a unipolar SPDT switch that opens or closes when the temperature increases or decreases.

Common Features

The electrical rating of the unipolar SPDT switch for all O16 controls is:

- 16(16)A 250V~ N.O. or N.C.;
- 1(1)A 250V~ on the opposite side.

Terminals: 1 common, 2 opens the contact when the temperature increases, 4 closes the contact when the temperature increases.

Cable input: 14 mm insulating bushing for O16 and P.G. 16 connector for O52.

Refrigerants: suitable to be used with all types of gases.

Mounting: two male holes on the rear of the controller for the insertion of M4x6 mm screws (supplied with the thermostat).

Control: by means of hex nut with cutout for cross screwdriver, present both on the shaft of the capacity and on that of the differential. There is also a control knob, which is supplied as standard with some O52 temperature controllers.

- ENCLOSURE RATING:
- STANDARD IP44 (O16)
 - AVAILABLE IP66 (O52)

COLD ROOM AMBIENT AIR THERMOSTATS

Model	Range °C	Differential °C		Bulb size mm
		High limit	Low limit	
016-H6900	from (-40)-35 to -7	1.0 fixed	1.5 fixed	diam. 49max x 43max
016-H6901	from (-22)-18 to +13	1.0 fixed	1.5 fixed	diam. 49max x 43max
016-H6902	from (-10)-5 to +25	1.0 fixed	1.5 fixed	diam. 49max x 43max
016-H6903	from (+5)+10 to +40	1.0 fixed	1.5 fixed	diam. 49max x 43max
016-H6904	from (-40)-35 to +7	from 1.0 to 6.0	from 2.0 to 10.0	diam. 49max x 43max
016-H6905	from (-22)-18 to +13	from 1.0 to 6.0	from 2.0 to 10.0	diam. 49max x 43max
016-H6907	from (+5)+10 to +40	from 1.0 to 6.0	from 3.0 to 12.0	diam. 49max x 43max

CROSS AMBIENT THERMOSTATS WITH BULB

Model	Range °C	Differential °C		Capillary length	Bulb size mm
		High limit	Low limit		
016-H6980	from (-22)-18 to +13	from 1.7 a 7.0	from 3.0 to 12.0	1800	diam. 14.5 x 140
016-H6981	from (-10)-5 to +25	from 1.7 a 7.0	from 3.0 to 12.0	1800	diam. 14.5 x 140
016-H6982	from (-2)-1 to +10	1.0 fixed	1.0 fixed	1800	diam. 14.5 x 140
016-H6983	from (+5)-10 to +40	from 1.7 a 8.0	from 3.0 to 12.0	1800	diam. 14.5 x 140
016-H6930	from (-40)-34 to +32	from 3.0 a 22.0	from 3.0 to 22.0	1800	diam. 9.5 x 152
016-H6932	from (+30)-35 to +115	from 2.0 a 14.0	from 2.0 to 14.0	1800	diam. 9.5 x 152

CROSS AMBIENT THERMOSTATS WITH BULB AND STOP SWITCH

Model	Range °C	Differential °C		Capillary length	Bulb size mm
		High limit	Low limit		
016-H6989	from (-10)-5 to +25	from 1.7 to 7.0	from 3.0 to 12.0	1800	diam. 14.5 x 140
016-H6931	from (-40)-34 to +32	from 3.0 to 22.0	from 3.0 to 22.0	1800	diam. 9.5 x 152

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STRAIGHT CAPILLARY THERMOSTATS

Model	Range °C	Differential °C		Capillary length	Bulb size mm
		High limit	Low limit		
016-H6920	from (-55)-48 to -18	from 1.7 to 6.0	from 3.0 to 12.0	2000	
016-H6921	from (-40)-35 to -7	from 1.7 to 7.0	from 3.0 to 12.0	2000	
016-H6922	from (-22)-18 to +13	from 1.7 to 7.0	from 3.0 to 12.0	2000	
016-H6924	from (-10)-5 to +25	from 1.7 to 7.0	from 3.0 to 12.0	2000	

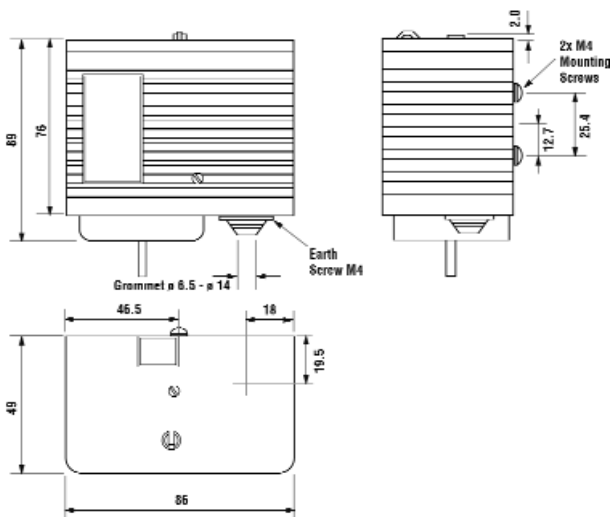
THERMOSTATS WITH COILED CAPILLARY

Model	Range °C	Differential °C		Capillary length	Bulb size mm
		High limit	Low limit		
016-H6950	from (-40)-35 to -7	from 1.7 to 7.0	from 3.0 to 12.0	2000	diam. 9.5 x 38
016-H6951	from (-22)-18 to -13	from 1.7 to 7.0	from 3.0 to 12.0	2000	diam. 9.5 x 38
016-H6954	from (-10)-5 to +25	from 1.7 to 7.0	from 3.0 to 12.0	2000	diam. 9.5 x 38

THERMOSTATS WITH COILED CAPILLARY AND STOP SWITCH

Model	Range °C	Differential °C		Capillary length	Bulb size mm
		High limit	Low limit		
016-H6958	from (-40)-35 a -7	from 1.7 a 7.0	from 3.0 a 12.0	2000	diam. 9.5 x 38
016-H6959	from (-22)-18 a +13	from 1.7 a 7.0	from 3.0 a 12.0	2000	diam. 9.5 x 38

O16 - Dimensions



O52 - Dimensions

