

Europe - Refrigeration Temperature Controls, IP 30 and IP 65

Commercial Refrigeration Temperature Controls

A28 Series IP30, Two-stage Capillary and Space Thermostats

Description

Controls are compact with fixed differential per stage and (on most models) adjustable differential between stages. Liquid filled element provides wide range, constant differential over whole range and no influence from barometric pressure. Since the bulb contains the major portion of the total fill the thermostat may be considered as cross-ambient, capillary and cup temperature variations affect the operating point only slightly due to the small amount of fill they contain.

For quantity orders it is possible to have the below stated optional constructions:

- Without case and cover for panel mounting
- Close differential per stage
- Different capillary lengths

All standard IP30 enclosure models have a universal way of adjustment. For this purpose a knob and sealing cap are enclosed.

Application

These thermostats are designed for various types of heating, cooling, ventilation, or air-conditioning applications. All models have two SPDT switches providing the following control possibilities:

- 2 stage heating
- 2 stage cooling
- Heating/cooling with automatic changeover

Features

- Liquid filled sensing element
- Dust tight Penn switch
- IP65 protection class models available
- Front adjustment



A28 Capillary and Space Thermostats, IP30 - Selection Table

Range (°C)	Diff. (K)		Style	Cap. Length (m)	Bulb Size (mm)	Switch 5A Auto Recycle	Additional Features NEMA 1 Enclosure	Ordering Codes		
	stage	betw								
-35 to +10	2	1 to 4	1b	2	110	SPDT Open Low	General purpose	A28AA-9006		
-5 to +28	1.5	1 to 4	1b	2	135			SPDT Open High	Bulb stainless steel, General purpose	A28AA-9007
				5						A28AA-9106
0 to 43	1.5	1 to 4	3	-	-			A28AA-9113		
1 to 60	2	1 to 4	1b	3	115		Max. bulb temp. 85 °C, General purpose	A28AA-9118		

A28 Capillary and Space Thermostats, IP65 - Selection Table

Range (°C)	Diff. (K)		Style	Cap. Length (m)	Bulb Size (mm)	Switch 5A Auto Recycle	Additional Features	Ordering Codes
	stage	betw						
5 to 50	2	4	1b	2	110	SPDT Open Low	Concealed scale, Screwdriver adjustment	A28QA-9001
-35 to +10	2	1 to 4						A28QA-9110
-5 to +28	1.5	1 to 4						A28QA-9111
-35 to +40	2	1 to 4	A28QA-9114					
0 to 43	1.5	1 to 4	3			SPDT Open High	Bulb Stainless Steel	A28QA-9113
1 to 60	2	1 to 4	1b	3	115			
20 to 40	1.5	1 to 4	3	-	-		Bulb Stainless Steel	A28QA-9117
10 to 95	1.5	1 to 5	1b	3	100	SPDT Open Low	3 A Switch	A28QJ-9100

