

Mechanical thermostats

A28
2-stage capillary and space thermostat, IP30 / IP65

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.

Features

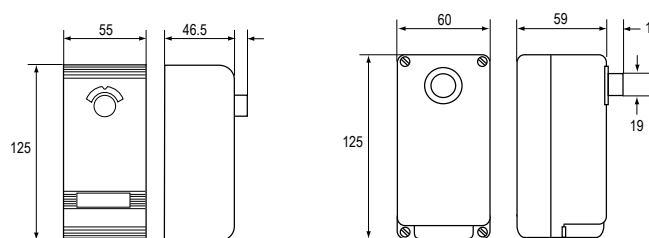
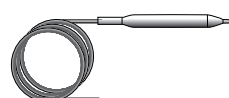
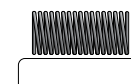
- ▶ Liquid filled sensing element
- ▶ Dust tight Penn switch
- ▶ IP65 protection class models available
- ▶ Front adjustment

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


IP30

IP65

Dimensions in mm

Style 1b

Style 3

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Ordering information

Codes	Range (°C)	Diff. (K)		Style	Cap. length (m)	Bulb size (mm)	Switch 5A auto recycle	Additional features NEMA 1 Enclosure
		Stage	Betw					
IP30								
A28AA-9006	-35 to +10	2	1 to 4	1b	2	110	SPDT Open Low	General purpose
A28AA-9007	-5 to +28	1.5			5	135		
A28AA-9106					---	---		
A28AA-9113	0 to 43	2		3	---	SPDT Open High	Bulb stainless steel, general purpose	
A28AA-9118	1 to 60	1b		3	115		Max. bulb temp. 85 °C, general purpose	
IP65								
A28QA-9101	5 to 50	2	1 to 4	1b	2	110	SPDT Open Low	Concealed scale, screwdriver adjustment
A28QA-9110	-35 to +10							---
A28QA-9111	-5 to +28	1.5			2	135		---
A28QA-9114	-35 to +40	2			3.5	110		---
A28QA-9113	0 to 43	1.5		3	---	---	Bulb stainless steel	
A28QA-9115	1 to 60	2		1b	3	115	SPDT Open High	---
A28QA-9117	20 to 40	1.5		3	---	---		Bulb stainless steel
A28QJ-9100	10 to 95			1 to 5	1b	3	100	SPDT Open Low