

JUC-027M and JUC-027MA are contact-induction sealed type thermostats. They enjoy advantages of small size, light weight and high precision. Suitable for temperature controlling and overheat protection in equipments of aerospace and other field.



Environmental conditions

Item	Description		Specification		
1	Environmental level		I	II	III
2	Ambient temperature range		-55℃ to +125℃		
3	Relative humidity		+40℃ up to 95% +40℃ 达 95%		
4	Low atmospheric pressure		70 kPa	4.39 kPa	1.06 kPa
5	Vibration	Frequency	10 to 55Hz	10 to 500Hz	10 to 2000Hz
		Acceleration	Double amplitude 1.5mm	10G	JUC-027M: 15G JUC-027MA: 20G
6	Shock	Acceleration	JUC-027M: 15g JUC-027MA: 50g	50G	50G
		Pulse duration	11ms	11ms	11ms
7	Acceleration			20G	50G

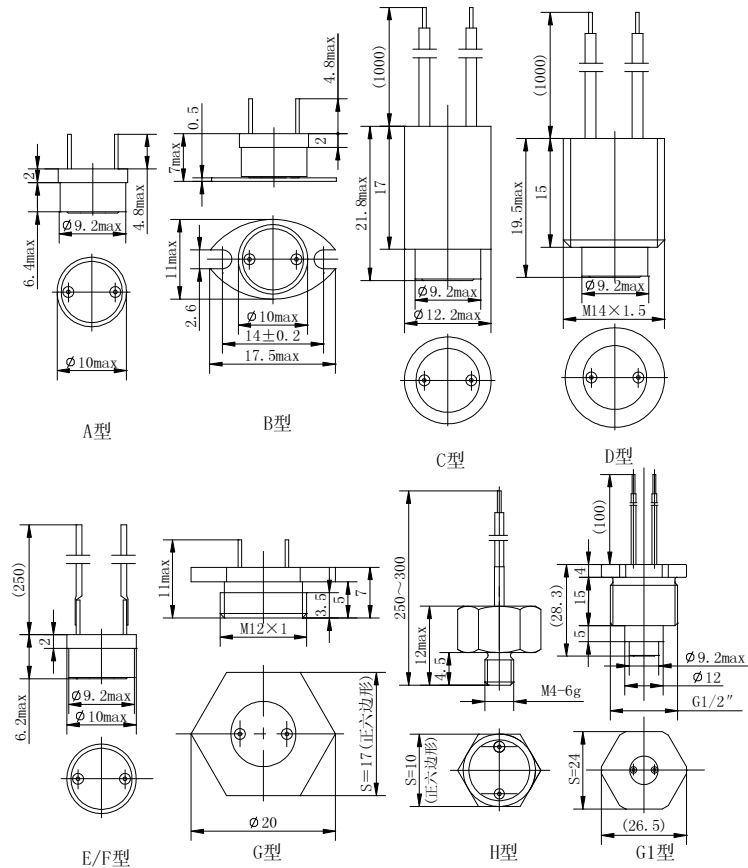
**ULTRAMINIATURE AND HERMETICALLY
SEALED THERMOSTAT**

Specifications					
Contact arrangement		1form A, 1form B			
Operating temperature range		−10℃ to +110℃			
Operating temperature tolerance		See main technical data table			
Temperature restoration		See main technical data table			
Contact resistance (not including resistance of external lead wire)		Before life test	50m Ω max	Contact rating	Resistive: 1A, 28VDC 0.5A, 115/220VAC (400/50Hz)
		After life test	100m Ω max		
Insulation resistance	Under normal condition	100M Ω min (500VDC)			
	Under high temperature and high humidity	5M Ω min (500VDC)			
Dielectric strength (50Hz)	Under normal condition	500Vrms		Electrical life expectancy	1×10 ⁴ Operations
	Under low atmospheric pressure	250 Vrms		Weight	3g max (only suitable for type A, B)

Main technical data

Part No.	Normal Operating temperature value	Operating temperature tolerance	Temperature restoration range	
-10℃ to +110℃	Any value within range -10℃ to +110℃	±3℃, ±5℃	Upper limit	Below corresponding operating temperature value 3℃
			Lower limit	Below corresponding operating temperature value 15℃

Outline mounting dimensions



Ordering information

JUC-027MA/85 \pm 5 $^{\circ}$ C-1D-III-A	
	Mounting code
	Environmental level
	Contact arrangement
	Operating temperature and tolerance
	Type

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