Temperature switch TC110

Principles Characteristics

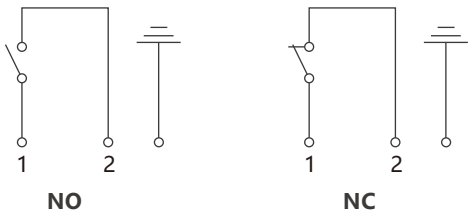
TC110 series adopts the principle of bimetallic sheet. When the temperature reaches the set value, a section of bimetallic sheet which is made into a curved ring is heated to expand and trigger the built-in device. The switch action.

The contact part of TC110 with the medium is made of brass. The interface thread is available in G1/4,G3/8 and M22×1.5. The temperature range is 30℃... 120 ℃.

product application

TC110 series temperature switch can meet the different requirements of temperature control in hydraulic, lubrication and transmission series. It is used to detect whether the temperature exceeds the maximum or minimum limit.

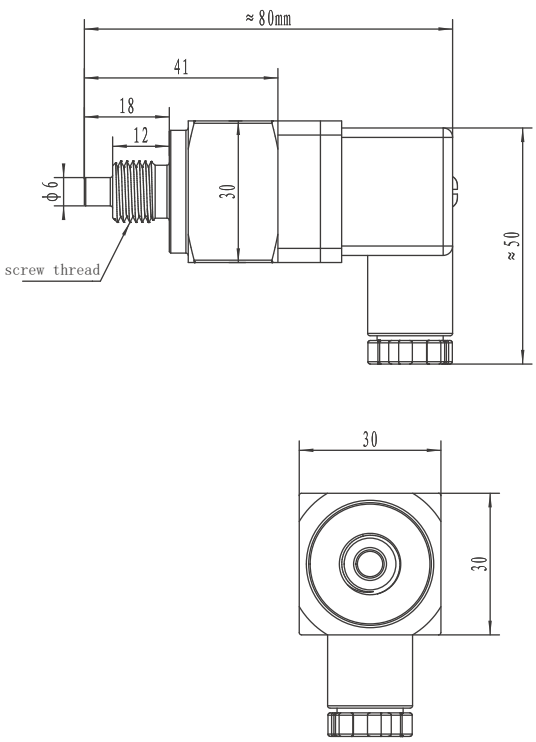
wiring diagram



Technical parameters

- Measuring range: fixed switching point at 30℃... 120℃ (see the table below)
- Maximum pressure: 100bar
- Media temperature: maximum 130℃
- Output: Normally open/normally closed optional contact plated with silver
- Contact capacity: Capacity 16A-220VAC
- fixed hysteresis: maximum 15℃ (>80℃)
- Protection level: IP65
- Wiring method: Terminal wiring
- Contact part material: brass
- Material standard: HPb59-1
- Shell material: black NBR

Size chart (mm)



Selection table

TC110-	B	30	G14M	NO	detailed
TC110					Temperature switch
	B				DIN43650 Hersman plug
		30			30±5℃
		40			40±5℃
		50			50±5℃
		60			60±5℃
		70			70±5℃
		80			80±5℃
		90			90±5℃
		100			100±5℃
		110			110±5℃
		120			120±5℃
			G14M		Interface G1/4 External thread
			G38M		Interface G3/8 External thread
			G12M		Interface G1/2'' External thread
			M14M		Interface M14×1.5 External thread
			M22M		Interface M22×1.5 External thread
				NO	Output: normally on
				NC	Output: Normally closed