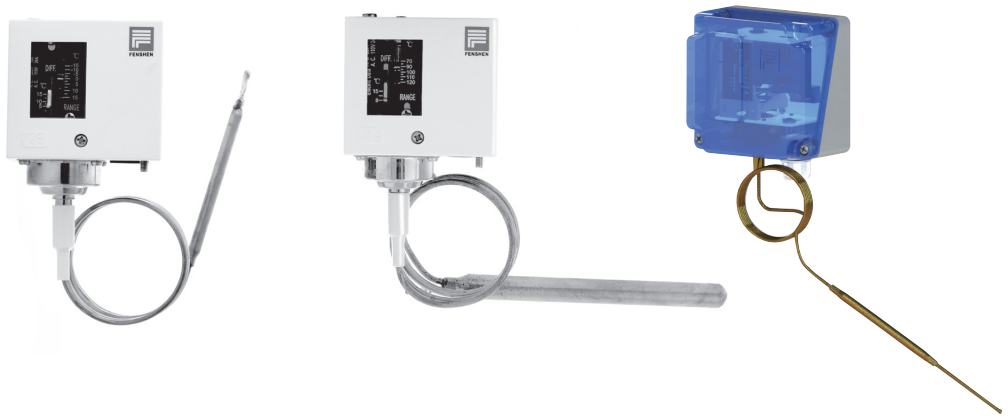
TEMPERATURE CONTROLS (FROST PROTECT SWITCH)



■ Introduction

T series temperature controllers have a wide temperature control range from -40°C to +180°C. They can be used in refrigeration, cooling, heating, and air conditioning automatic control systems.In the aforementioned control systems, most are equipped with this temperature controller to achieve high or low-temperature disconnection purposes. The T series temperature controller has a highly sensitive SPDT switch, which can be directly connected to single-phase AC motors under 2kW.

T series temperature controllers can be used for both regulation and safety monitoring systems.

The adjustment of the disconnection temperature for this temperature controller is very convenient and quick.

T series temperature controllers comes in both setpoint deviation and adjustable deviation versions, allowing users to choose based on their needs.

Approvals: CE、Rohs 、REACH and other certifications.

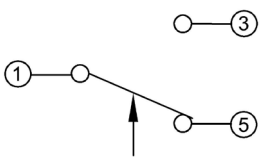
■ Technical parameters

- Ambient temperature: -20~+65°C
- Adjustment range:0.005~0.40Mpa
- Max. Working pressure:1.0Mpa
- Factory setting differential:0.021Mpa
- Protection level: IP55、IP65
- Mediumt temperature: -20~+120°C
- On-off Differential:0.01Mpa
- Testing Pressure:1.7Mpa
- Applicable medium: Non-corrosive water

■ Contact function

Rated current \ Rated voltage		A.C.110	A.C.220
Non-induced current		22	12
Induced current	Full load current	24	12
	Instantaneous current	144	96

■ Electrical rating



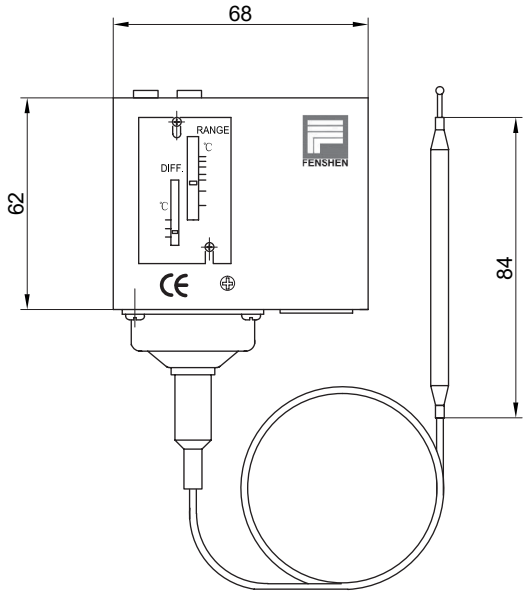
Contact number	Function
1	Common connector
3	Closed when temperature rises
5	Closed when temperature drops

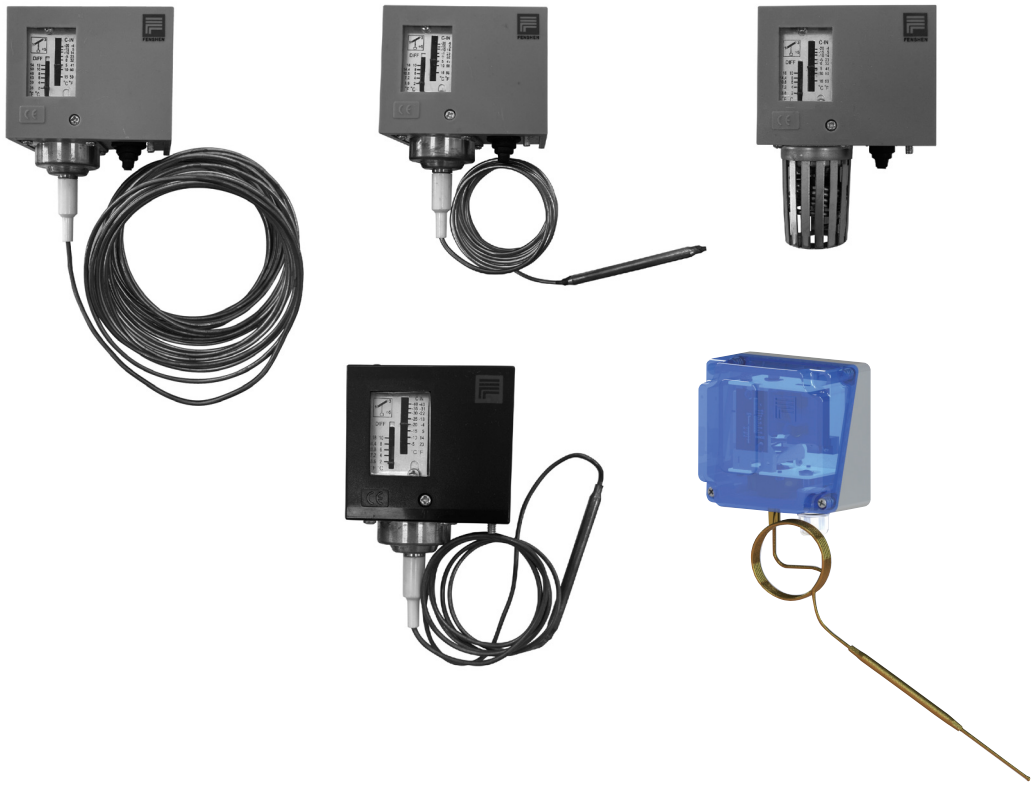
Arrow direction when the temperature rises

■ Electrical data

Model	Adjust range ℃	Temperature differential℃			Max. Bulb temperature℃	Bulb size mm	Bulb size mm	Use condition
		Min.		Max.				
TC5	–40 ~ –5	2	3	10	45	Φ6X82	Φ2.5X1000	Ts > Tb
TC30	–30 ~ 0							
TC15	–15 ~ 15							
TC25	–10 ~ 25	5						
TC40	0 ~ 40				70	Φ12X120	Φ3X1000	Ts < Tb
TC90	40 ~ 90				120			
TC120	70 ~ 120				130	Φ12X160		

■ Dimensions





■ Introduction

TX series temperature controller is an upgraded product with a wider temperature control range, smaller differential temperature, longer durability, and higher accuracy.

■ Contact function

Rated current \ Rated voltage		A.C.110	A.C.220
Non-induced current		22	16
Induced current	Full load current	24	16
	Instantaneous current	144	96

■ Type & data

Model	Adjustment range ℃	Factory Setting ℃	Setting Deviation ℃	Reset Form		Factory setting℃			Temperature sensing assembly	
				Automatic	Maunal	Adjustment range ℃	Adjustment Range		Form	Description
							Conection	Disconnection		
TX05	–40 ~ –5	–20	± 1.2	A		2 ~ 10	A		T2	2m capillary coil end
TX15	–20 ~ +15	+5	± 1.2	A		2 ~ 10	A		A0	0.5m capillary protective cage
				A		⩾ 2		F		
				A		2 ~ 10	A		B2	2m capillary hermo–bulb
				A		2 ~ 10	A		T2	2m capillary coil end
					M	⩾ 2		F		
				A		2 ~ 10	A		C2	2m capillary straight end
				A		⩾ 2		F		
					M					
				A		2 ~ 10	A		C3	3m capillary straight end
				A		⩾ 2		F		
					M					
				A		2 ~ 10	A		C6	6m capillary straight end
				A		⩾ 2		F		
					M					
				A		2 ~ 10	A		C12	12m capillary straight end
				A		⩾ 2		F		
					M					
TX25	–10 ~ +25	+3	± 1.2	A		5 ~ 10	A		A0	0. 5m capillary protective cage
				A		5 ~ 10		F		
				A		5 ~ 10	A		B2	2m capillary hermo–bulb
				A		5 ~ 10	A		T2	2m capillary coil end
				A		5 ~ 10	A		C2	2m capillary straight end
				A		5 ~ 10	A		C3	3m capillary straight end
TX35	–5 ~ +35	+10	± 1.2	A		5 ~ 10	A		T2	2m capillary coil end
TX40	+5 ~ +40	+30	± 1.2	A		2 ~ 10	A		A0	0.5m capillary straight end
				A		2 ~ 10	A		B2	2m capillary hermo–bulb
TX150	+80 ~ +150	+120	± 1.2	A		5 ~ 10	A		B2	2m capillary hermo–bulb