Remote Reading Thermometer with Electrical Contact
Model: FTC series

Introduction

The remote reading thermometer equipped with a buzzer, a flashing indicator or a relay to remote control and monitor connected facility.
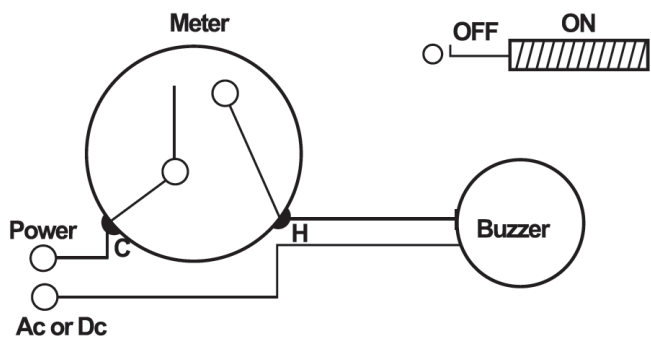

Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales.
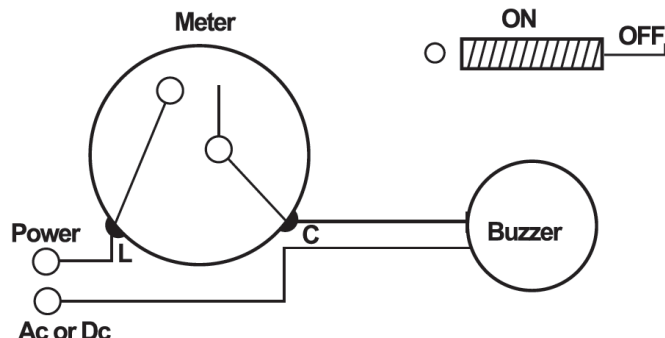(If there is any change on specification, please take the latest version as standard.)

Features

- ■ OEM service
- ■ Adopts sliding switch SPST, various contact functions
- ■ Various installation type
- ■ Stem / Capillary's outer diameter and length can be customized upon request
- ■ Media-actuated thermometer can fast response to ambient temperature

Main Specifications	Other Specifications
▼Size	▼Ring
3″, 4″, 5″, 6″	Stainless steel
▼Installation type	Outside bayonet
Back mount with flange (FTFFC)	▼Case
Back mount with U-clamp (FTFUC)	SS 304
Wall mount with flange (FTWFC)	External adjustable screw
▼Window	▼Wiring type
Acrylic	Visual wiring (FL) /
▼Process connection	Visual magnet base with
Material: SS304	junction box (JB)
1/2″ PT	▼Switch contact type
3/8″ PT	Sliding switch SPST
With swivel nut (male thread)	▼Contact function
▼Stem	Single contact N.O. (1a)/
Material: SS304 / SS316	Single contact N.C. (1b)/
Length: 150mm (standard)	Double contacts N.O.+N.C. (1a1b) /
Outer diameter: 12mm	Double contacts N.C.+N.O. (1b1a) /
Other outer diameter / length	Double contacts N.O.x2 (2a) /
are available upon request	Double contacts N.C.x2 (2b)
▼Capillary	For more information please refer
Material: SS304	to single / double contacts wiring
Length: 3M	▼Contact material
Outer diameter: 6.35mm	80% silver, 20% nickel, 10μm
Other outer diameter / length	gold-plated (>110V)
are available upon request	Gold (≤36V)
▼Temperature range	▼Number of contacts
Min. -50°C	SPST*1 / SPST*2 / SPST*4
Max. +650°C	▼Pointer
▼Applicable fluid	Aluminum with black enamel
Liquid and gas that compatible	(With adjustable screw)
with connection's material	▼Dial face
▼Protection level	Red and black scale
IP 54	Pressure unit, scale, and color
	can be customized upon request
	▼Measuring elements
	Gas-actuated (standard)
	Liquid-actuated (option)
	▼Temperature accuracy
	±1°C < -20°C~80°C >
	▼Operating temperature
	Stabilization: 3/4* full scale
	Short-time: 1* full scale

Power parameter

Voltage	DC	AC	Inductive load
230V	100mA	120mA	65mA
110V	200mA	240mA	130mA
50V	300mA	450mA	200mA
24V	400mA	600mA	250mA
Capacity 18W / ～30VA			

Contact wiring type

Single contact upper limit (1a)

Single contact lower limit (1b)

| Double contact		
	When the pressure indicator reaches left set point (green pointer), the first contact breaks (circuit open) When the pressure indicator reaches right set point (red pointer), the second contact makes (circuit close) (NC+NO) <Positive pressure: left→right> Switch mode: SPSD X 2	1a1b
	When the pressure indicator reaches left set point (red pointer), the first contact makes (circuit close) When the pressure indicator reaches right set point (green pointer), the second contact breaks (circuit open) (NC+NO) <Positive pressure: left→right> Switch mode: SPSD X 2	1b1a
	When the pressure indicator reaches left set point (yellow pointer), the first breaks (circuit close) When the pressure indicator reaches right set point (red pointer), the second contact breaks (circuit close) (NC-NO x 2) <Positive pressure: left→right> Switch mode: SPSD X 2	2a
	When the pressure indicator reaches left set point (green pointer), the first contact makes (circuit open) When the pressure indicator reaches right set point (yellow pointer), the second contact makes (circuit open) (NC-NC x 2) <Positive pressure: left→right> Switch mode: SPSD X 2	2b

Installation type
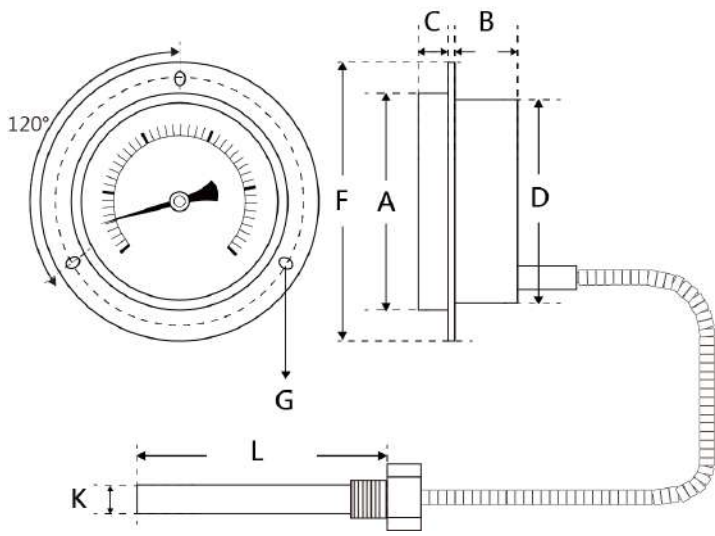
Back mount with flange (FTFFC)
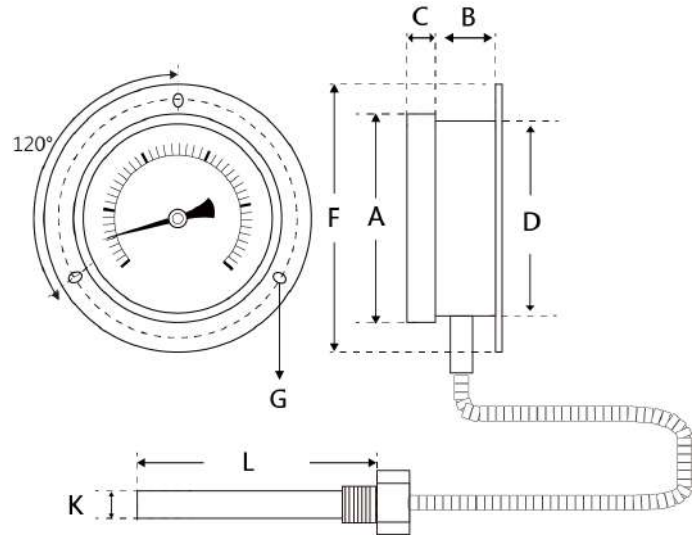
Wall mount with flange (FTWFC)
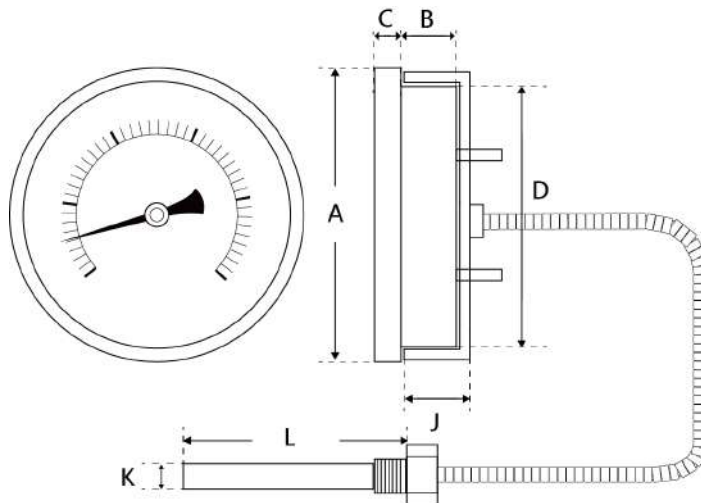
Back mount with U-clamp (FTFUC)

How to order

FTC series	Remote Reading Thermometer with Electrical Contact							
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
FTFFC	Installation type	FTFFC	Back mount with flange	FTFUC	Back mount with U-clamp	FTWFC	Wall mount with flange	–	–

04	Size	03	3″	04	4″	05	5″	06	6″

FL	Wiring type	FL	Visual wiring	JB	Visual magnet base with junction box	–	–	–	–

1a1b	Contact function	1a	N.O.	1b	N.C.	1a1b	N.O.+N.C.	1b1a	N.C.+N.O.
		2a	N.O.x2	2b	N.C.x2	–	–	–	–

2	Contact numbers	1	SPST*1	2	SPST*2	4	SPST*4	–	–

3P	Process connection	3P	3/8″ PT with swivel nut	4P	1/2″ PT with swivel nut	O	Others	–	–

304	Stem material	304	SS 304	316	SS 316	O	Others	–	–

Custom	Stem outer diameter	Standard: 12mm Other stem outer diameter available upon request

Custom	Stem length	Standard: 63.5mm Other stem length available upon request

304	Capillary material	304	SS 304	O	Others	–	–	–	–

Custom	Capillary outer diameter	Standard: 6.35mm Other capillary outer diameter available upon request.

Custom	Capillary length	Standard: 3M Other capillary length available upon request (Max. 20M)

Custom	Temp. range	-50 to 650℃

A	Measuring elements	A	Gas-actuated	L	Liquid-actuated	–	–	–	–

/D	Other requests	/A	Third party notarized documents	/B	Inspection report
		/C	Tag	/D	Customized dial face (scale, color, unit, etc.)
		/E	Thermowell (thermowell specifications are customized according to the selected stem specifications)	/F	Remove external adjustable screw
		/G	Remove anti-sway pointer (better sensibility)	/H	IP67 (sealed with silicone rubber O-ring)
		/I	Epoxy coating capillary	–	–

Order example: FTFFC - 04 - FL - 1a1b - 2 - 3P - 304 -12mm - 63.5mm - 304 - 6.35mm - 3M - (0 to 150℃) - A + /D