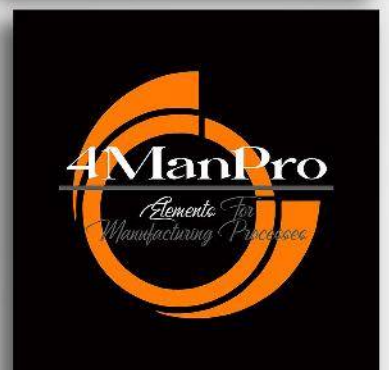




SJ MTE



**EXPANSSION
SWITCH
WITH CONTACT
THERMOMETER**



Product Description

- Support device for monitoring and circuit switching
- Magnetic snap-action contact available for automated control
- Usually used in the food industry



Product Specification

Connection location

Bottom mount (BS),
back mount (BL)

Nominal size

3", 4", 5", 6"

Scale ranges

-50°C ... 600°C

Accuracy

CL 1.0

Process connection

304 SS (standard), 316 SS
1/4", 3/8", 1/2", 3/4", 1"
PT, G, NPT, M

Connection designs

Male thread, plain stem,
compression fitting (sliding on stem),
union nut and loose threaded connection,
union nut, sanitary tri-clamp, flange on
stem

Stem

304 SS (standard), 316 SS

Length:

Above 50 mm (without thread) can be
customized

Diameter: 6.35, 8, 9.5, 12 mm

Case/Ring

304 SS

Window

PC

Dial

Aluminum alloy, black scale on white

Pointer

Black aluminum alloy

Accessories (options)

Adjustment nut, thermowell,
adjustable set pointer

Ambient temperature

-20°C ... 70°C

Contact

Silver nickel alloy

type:

Single contact N.O.

Single contact N.C.

Double contacts N.O.x2

Double contacts N.O.+N.C.

Double contacts N.C.x2

Electrical contact specification

Maximum voltage: 250V (MAX.)

Maximum load: 30W~50VA (MAX.)

Starting current: 1.0 A (Max.)

Continuous load: 0.6A (MAX.)

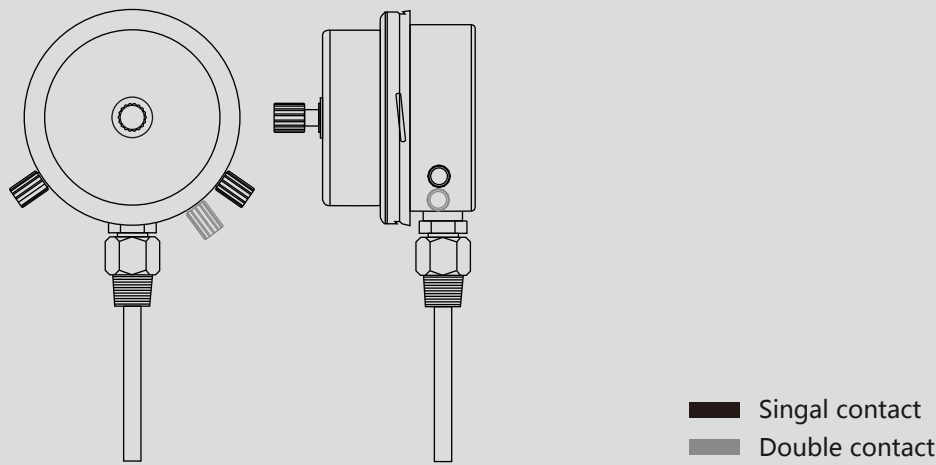
Switching voltage: 24V (Min.)

Protection

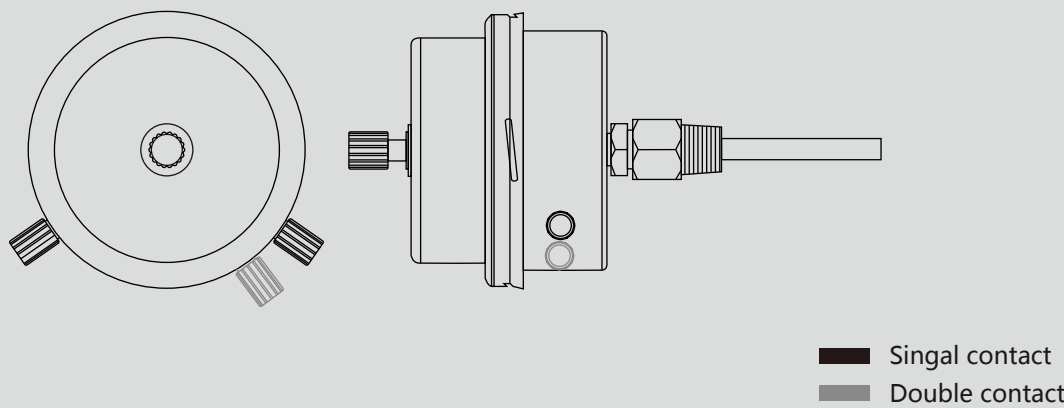
IP 67

Connection Location

BS - Bottom mount



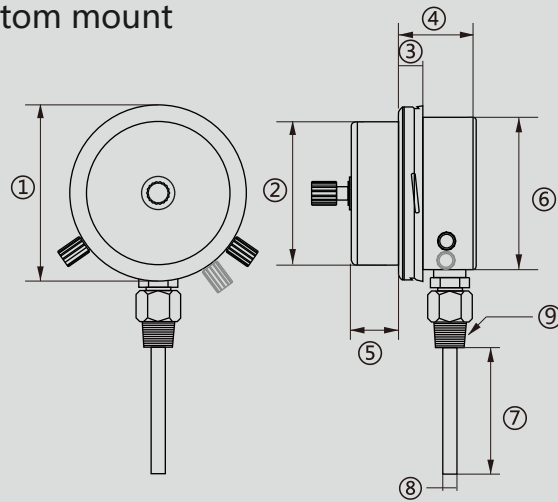
BL-Back mount



Connection location		
NS	BS	BL
3"	V	V
4"	V	V
5"	V	V
6"	V	V

Dimensions

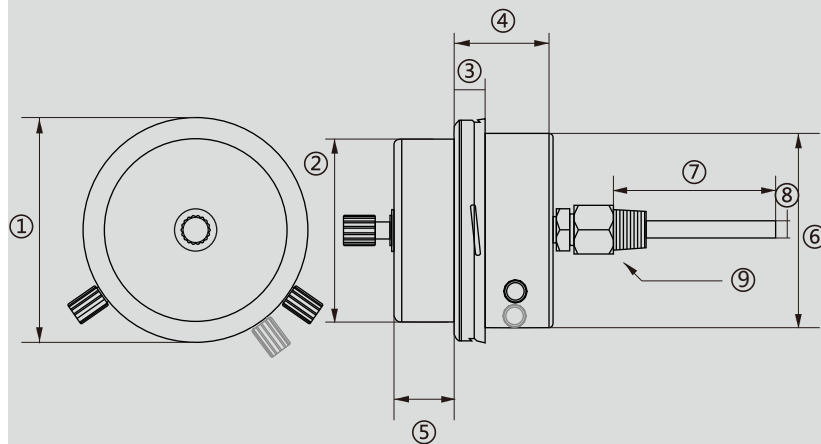
BS-Bottom mount



Dimensions (mm)

NS	①	②	③	④	⑤	⑥	⑦	⑧	⑨
3"	84	79	12	47	30	75	150	6.3	1/4"
4"	115	95	17	52	30	101	150	6.3	1/2"
5"	130	110	13.5	51	30	117	150	6.3	1/2"
6"	160	130	17	48	35	148	150	6.3	1/2"

BL-Back mount

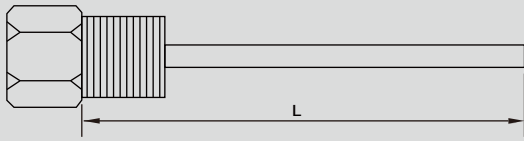


Dimensions (mm)

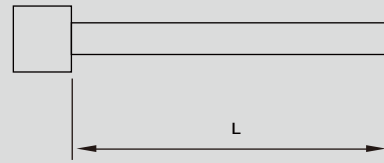
NS	①	②	③	④	⑤	⑥	⑦	⑧	⑨
3"	84	79	12	47	30	75	150	6.3	1/4"
4"	115	95	17	52	30	101	150	6.3	1/2"
5"	130	110	13.5	51	30	117	150	6.3	1/2"
6"	160	130	17	48	35	148	150	6.3	1/2"

Connection Design

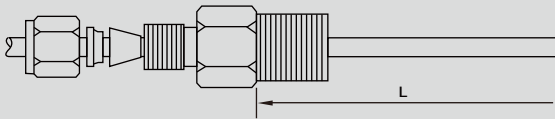
Male thread



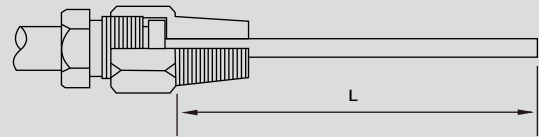
Plain stem



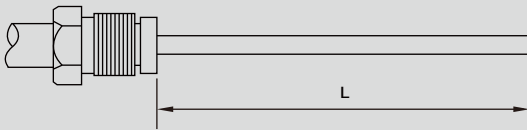
Compression fitting (sliding on stem)



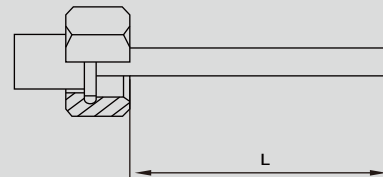
Union nut and loose threaded connection



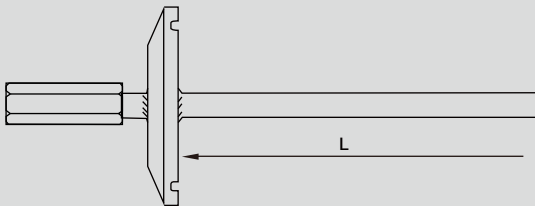
Male nut



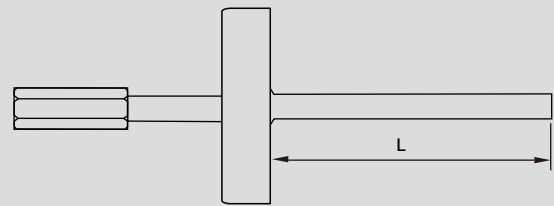
Union nut



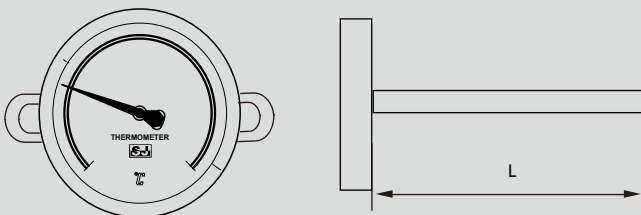
Sanitary tri-clamp



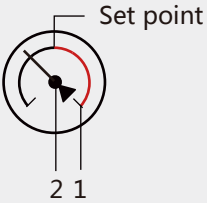
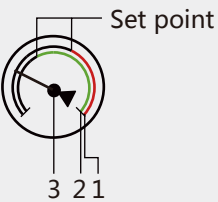
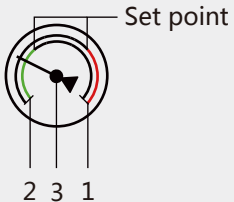
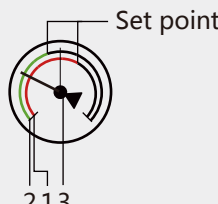
Flange on stem



Metallic sheet with dual hole



Contact type

Single contact	
	2R Single contact N.O. S1 contact makes when the pointer reaches the set point.
	2G Single contact N.C. S1 contact breaks when the pointer reaches the set point.
Double contacts	
	3RR Double contacts N.O. S1 and S2 contact make when the pointer reaches the set point.
	3RG Double contacts N.O. + N.C. S1 contact makes and S2 contact breaks when the pointer reaches the set point.
	3GG Double contacts N.C. S1 and S2 contact break when the pointer reaches the set point.

* Note: special contact type can be customized.



※ Ordering information

Model / Connection location / Nominal size / Scale range / Process connection /
Connection design / Stem / Accessories / Contact type / Options

For any changes to the specifications of this catalogue, the latest version shall prevail.

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