W-Series

TERMOSTATI ATEX

CONTROLLI DI TEMPERATURA

RIELS INSTRUMENTS

Enclosures:

Cast Aluminum:
Oven baked powder coating
hammertone grey

Also available in SS 316

Explosion-Proof IP 66 -
EN IEC 60079 - Eex-d IICT6

(Nema 4X)

Repeatablity:
typical 0.2% of Full Scale

Standard unit:
Degrees Celsius

Optional: Fahrenheit

Standard process connetion:
1/2" NPT M

Standard Buld Diameter:
10 mm

For wetted parts:
more possibilities available,
see full catalogue

Doc. no.: SP 404/13/07/5K-(FC)

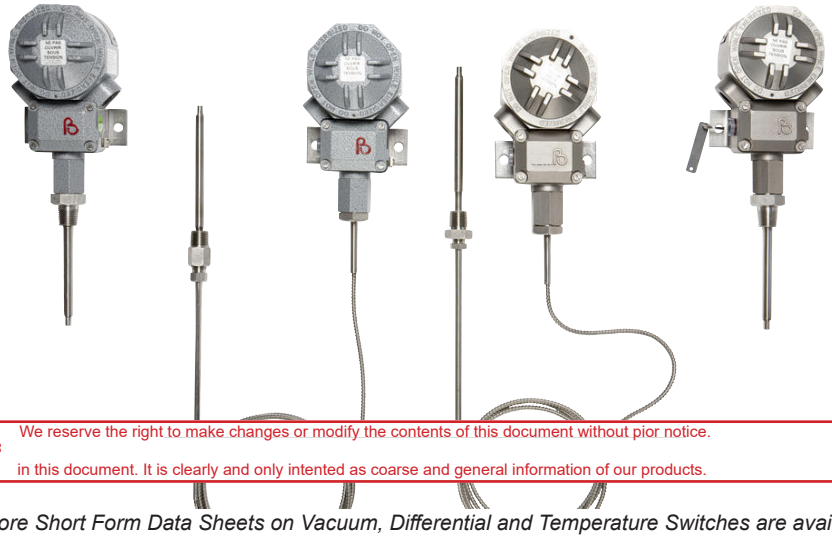
Ranges for Temperature swiches

RANGE CODE	ADJUSTABLE RANGE		MAX. DEADBAND [3]		MAX. TEMPERATURE		PROOF TEMPERATURE		MAX. PROCESS PRESSURE	
T 528 H	-40 / +40	°C	3	°C	+125	°C	+200	°C	175	bar
T 548 H	0 / +95	°C			+200	°C	+250	°C		
T 568 H	+60 / +180 [1]	°C			+300	°C	+350	°C		
T 588 H	+160 / +300 [2]	°C	3.5	°C	+400	°C	+450	°C		

1) In case process temperature > 140 °C, Direct mount sensing bulb is not recommended.

2) Not in combination with Direct mount sensing bulb.

3) For deadband calculation in combination with "SR"- and "SP"- micro, Consult Factory.



Disclaimer: We reserve the right to make changes or modify the contents of this document without pior notice.
in this document. It is clearly and only intented as coarse and general information of our products.

More Short Form Data Sheets on Vacuum, Differential and Temperature Switches are available.

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Making the modelcode: Follow steps 1 to 5

1 Selection of enclosure type.

Conduit	Material	Enclosure code
3/4” NPT F	Aluminium	**W3**
M20 x 1.5	SS 316	**W8**
3/4” NPT F	SS 316	**W9**

2 Selection of range code, see front page

3 Selection of process connection.

Process Connection	Code	Type of temperature sensing bulb	
1/2” NPT (M)	**D00**	Direct mount	128 mm length
	D02	Direct mount	225 mm length
	C02	Capillary mount	2 m. cappilary length
	C05	Capillary mount	5 m. cappilary length
	C10	Capillary mount	10 m. cappilary length
	CXX	Capillary mount	Special cappilary length

Note: All SS 316 stainless steel sensor, capillary (SS 304 armored) and compression fitting.

1) Not in combination with range T588H (+160/+300 ˚C), not recommended with T568H in case of process temperature >140 ˚C.

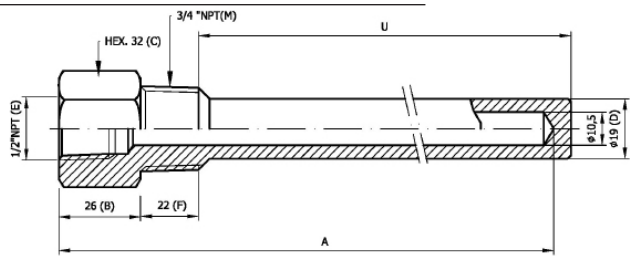
2) Length of capillary should be specified, (Max 15 m.)

4 Selection of wetted parts.

Accessoires:

All temperature switches have “S0” welded diaphragm.

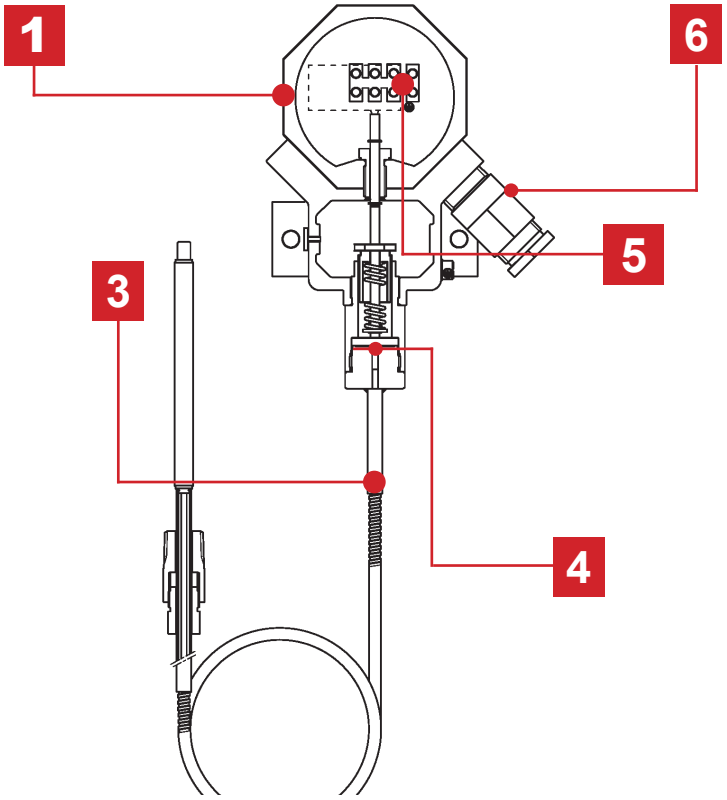
Thermowell (SS 316)



Standard Thermowell:

CODE	INSERTION LENGTH U (MM)	INSERTION LENGTH A (MM)	TEMP. SENSING BULB
TW 11	115	155	D00, C02, C03
TW 15	155	195	C02, C03, C05
TW 19	190	228	D02, C02, C03, C05

NOTES:
1. Thermowells to be ordered as separate item. Do not include Thermowell code into the switch code.
2. Special Thermowell possible.



5 Selection of microswitches.

Rating: VAC.	Rating: VDC. 3)	Use:	Switch Code: 1)
480/ 15A	28/ 0.5A	**Standard**	**K1** 2)
480/ 10A	28/ 0.5A	Standaard for L-serie	**L1** 2)
480/ 15A	125/ 0.5A	Normal DC-service	**U1**
125/ 1A	28/ 0.5A	For use in H_2S environment and/or for (EEx)i applications. 3)	**G1** **
250/ 0.1A	30/ 0.1A		**Y1** 1)
250/ 0.1A	30/ 0.1A	Environmental proof(IP 67)	**O1** 1)
250/ 2A	30/ 2A		**N1** 1)

1) For D.P.D.T action, second code figure schould be specifeid as **“2”**
For example: Y1 = S.P.D.T./ **Y2** = D.P.D.T

2) VDE certified acc. to DIN EN 61 058-1:1992+A1:1993.

3) Indicated ratings are for resistive DC load only.

** DC Rating not U.L. listed, although experience and third party testing confirm the D.C Voltage ratings.

6 Selection of options.

Description	Option code
Cable gland	**C**
Stainless steel tag key ringed to enclosure (Tag has 2 lines - 16 charaters per line)	**S**
Epoxy coating of switch. (External) Only in combination SS 316 process connection	**Y**

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