

**Product Information**

**TF1**

# Temperature Controller TF1



- Installation location as desired
- Compact construction
- Normally opened or normally closed contact

**Characteristics**

A fully potted bimetal thermostat switches when a limit temperature is reached.

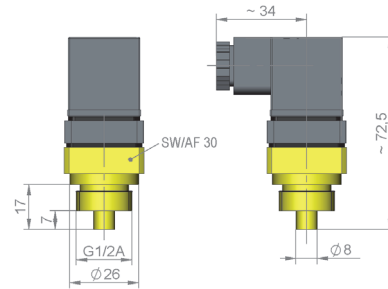
**Technical data**

<b>Switch</b>	bimetal thermostatic switch	
<b>Process connection</b>	male thread G 1/2 A - optionally G 3/4 A (further process connections available on request)	
<b>Switching value</b>	+40..+120 °C in 10 °C steps. The switching value is indicated for temperature increasing at 2 K/min.	
<b>Tolerance</b>	±10 K	
<b>Hysteresis</b>	10..20 K	
<b>Pressure</b>	PN 100	
<b>Medium temperature</b>	Switch	Medium temperature
	40 °C	-20..+ 90 °C
	50 °C	-20..+100 °C
	60 °C	-20..+110 °C
	70 °C	-20..+120 °C
	80 °C	-20..+130 °C
	from 90 °C	-20..+140 °C
<b>Ambient temperature</b>	-20..+70 °C	
<b>Media</b>	water, oils, gases	
<b>Wiring</b>	normally opened (n.o.) No. 0.212	
	normally closed (n.c.) No. 0.214	
<b>Switching voltage</b>	max. 250 V AC	
<b>Switching current</b>	max. 10 A	
<b>Protection class</b>	1 - safety insulation	
<b>Ingress protection</b>	IP 65	

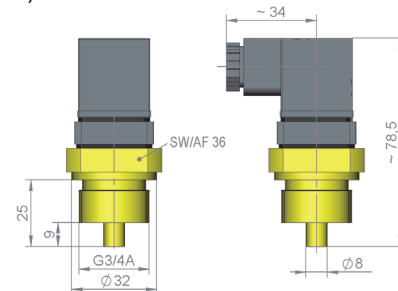
<b>Electrical connection</b>	plug DIN 43650-A / ISO 4400	
<b>Materials medium-contact</b>	Brass construction: CW614N	Stainless steel construction: 1.4305
<b>Non-medium-contact materials</b>	PA6.6, NBR	
<b>Weight</b>	G 1/2 A - 0.12 kg G 3/4 A - 0.18 kg	
<b>Installation location</b>	Installation location as desired. When installed, the sensor (Ø8) should be fully immersed in the medium.	

**Dimensions**

G 1/2 A



G 3/4 A (optional)



**Ordering code**

TF1 -  1.  2.  3.  4.  5.  H

○=Option

<b>1. Switching range</b>	040 .. 120	temperature 40..120 °C in 10 °C steps
<b>2. Connection material</b>	M	brass
	K	○ stainless steel
<b>3. Connection</b>	015	thread G 1/2 A
	020	○ thread G 3/4 A
<b>4. Process connection</b>	H	screw-in thread
<b>5. Wiring</b>	S	wiring 0.212 normally open (n.o.)
	O	wiring 0.214 normally closed (n.c.)

**Options**

- Signal lamp red