Thermostats Types KT, KTM, DTM, DTO 1, DTO 1A, AT



General Data Sheet

For specific information on this product, please contact Danfoss Burner Components

Function abbreviations

The functions of the thermostats are described by the following symbols and abbrevations.

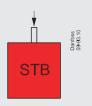
TR Boiler thermostat



TW High limit thermostat



STB High temperature cutout (Safety temperature cutout)



The range of thermostats for central heating systems meets the demands for reliable control of boiler and liquid temperatures, high temperature limitation and high/safety temperature cutout.



Immersion thermostats

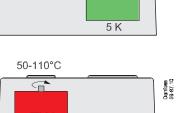
Boiler thermostat Type KT

- · Oil and gas burner heating systems
- Oil preheating systems
- · Boiler and flow temperature control
- G $\frac{1}{2}$ A × 110/150 mm sensor pockets available

25-95°C TR 5 K

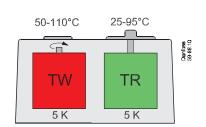
High limit thermostat Type KTM

- Oil and gas burner heating systems
- Protection against over-temperature
- High temperature limitation with automatic cut-in
- G $\frac{1}{2}$ A × 110 mm sensor pocket available



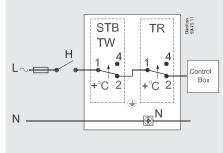
Boiler and high limit thermostat Type DTM

- Oil and gas burner heating systems
- Boiler and flow temperature control and protection against over-temperature
- High temperature limitation with automatic cut-in
- G $\frac{1}{2}$ A × 110/150 mm sensor pockets available



5 K

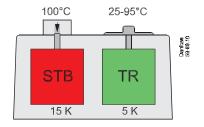
Electrical connection





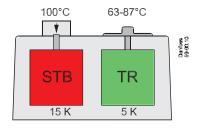
Boiler thermostat and high temperature cutout Type DTO 1

- · Oil and gas burner heating systems
- Boiler and flow temperature control and protection against overtemperature
- High temperature cutout with manual reset (fail safe)
- G $^{3}/_{4}$ A × 90/205 mm sensor pockets available



Boiler thermostat and high temperature cutout Type DTO 1A

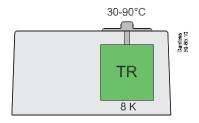
- Steel plate boilers
- Control and min. limitation to 63°C and protection against overtemperature
- High temperature cutout with manual reset (fail safe)
- G $\frac{1}{2}$ A × 90 mm sensor pocket available



Pipe thermostat

Type AT

- Boilers and hot water systems
- · Control of boiler, flow and hot water tank temperature
- NO and NC contacts
- Mounting without emptying the system
- Steel band for pipes G ½ -3 included



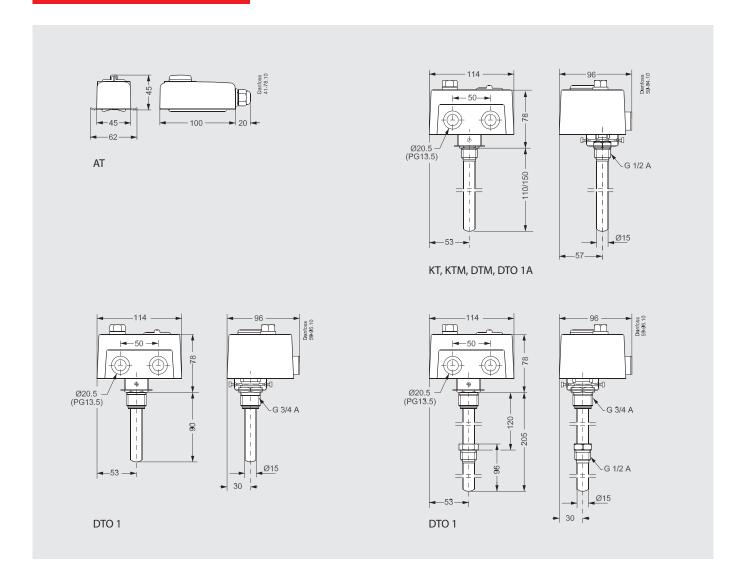
Technical Data

		KT	KTM	DTM	DTO 1	DTO 1A	AT
Temperature range TR	°C	25-95		25-95	25-95	63-87	30-90
Temperature differential TR	K	5		5			8
Temperature range TW	°C		50-110	50-110			
Temperature differential TW	K		5	5			
Break temperature STB	°C				100	100	
Max. sensor temperature	°C	Ts130					Ts90
Max. pressure to sensor	bar	40					
Max. ambient temperature	°C	Ts85					
Switch system TR, TW, STB		SPDT					
Switch load TR, TW		16 (2.5) A/250 V~ 10 (1.5) A/400 V~					6 (2.5) A/250 V~ 0.1A/250 V –
Switch load STB		1-2: 16 (2.5) A/250 V~ 1-4: 0.5 A/250 V~					
Enclosure		IP 40					
Weight	g	400	400	465	425	430	?
Cable connection		2-off Ø 20.5 mm for PG 13.5					?

TR: Boiler thermostat TW: High limit thermostat STB: High temperature cutout



Dimensions





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