# 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 abbreviations.

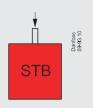
TR Boiler thermostat



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**

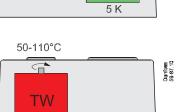
#### Boiler thermostat Type KT

- · 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

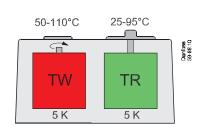
#### High limit thermostat Type KTM

- 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



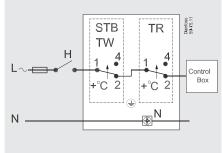
## Boiler and high limit thermostat Type DTM

- 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**





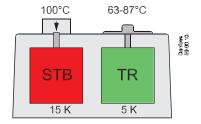
### Boiler thermostat and high temperature cutout Type DTO 1

- · 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  $\times$  90/205 mm sensor pockets available

# 100°C 25-95°C STB TR 15 K 5 K

### Boiler thermostat and high temperature cutout Type DTO 1A

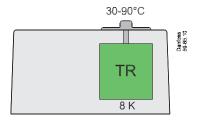
- Steel plate boilers
- Control and min. limitation to 63°C and protection against overtemperature
- High temperature cutout with manual reset (fail safe)
- G  $\frac{1}{2}$  A × 110/150 mm sensor pockets available



#### **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



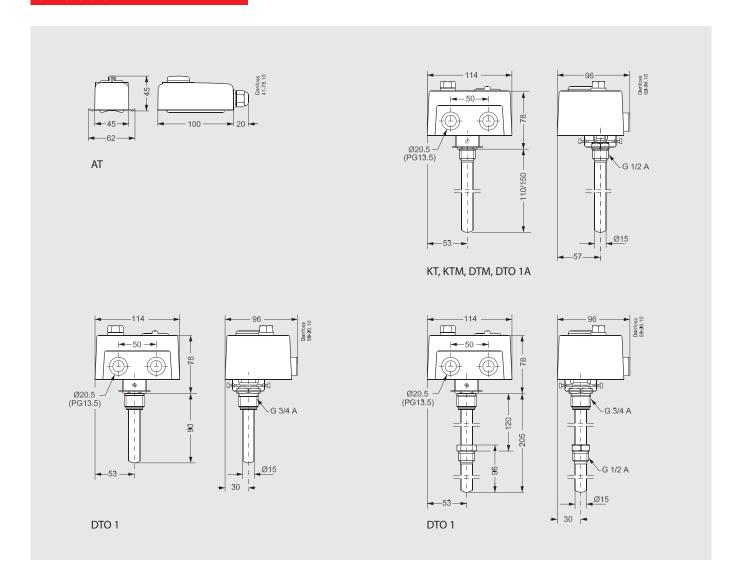
#### **Technical Data**

		KT	KTM	DTM	DTO 1	DTO 1A	AT
Temperature range TR	∘⊂	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	160
Cable connection		2-off ∅ 20.5 mm for PG 13.5					PG 69

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



#### **Dimensions**





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