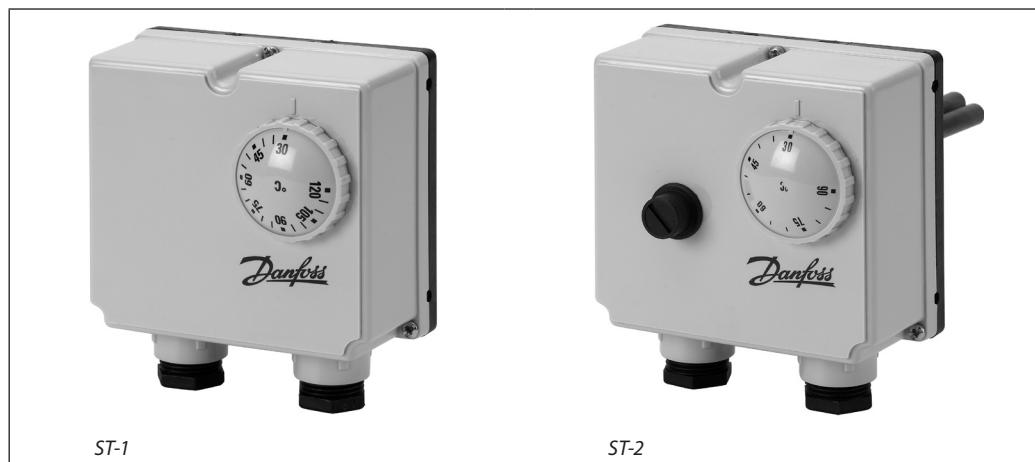


## Data sheet

# Safety thermostats

## ST-1/ST-2

## Application



Safety thermostats ST-1 and ST-2 can be used in directly or indirectly connected district heating systems where extra safety is required.

ST-1 incorporates a thermostat (TR) and a safety monitor (STW) with automatic reset.

ST-2 incorporates a thermostat (TR) with automatic reset and a safety limit cutout (STB) with manual reset.

If ST-1 or ST-2 is used together with an AMV(E) 13, 23, or 33 three-point controlled actuator, the safety monitor (STW) or safety limit cutout (STB) releases the spring return function for forced closure of the motorized control valve.

The safety thermostats are approved in accordance with DIN 3440 with the following DIN Register Nos.:

ST-1: TR STW 1175 05

ST-2: TR STB 1176 05

## Ordering

Type	Setting			Code no.
	TR	STW	STB	
ST-1 (TR/STW)	30 - 120 °C	100 - 120 °C	-	<b>087N1050</b>
ST-2 (TR/STB)	30 - 90 °C	-	95 °C	<b>087N1051</b>

## Accessory

Sensor pocket (Cu/Ms) for ST1 / ST2	<b>087N1201</b>
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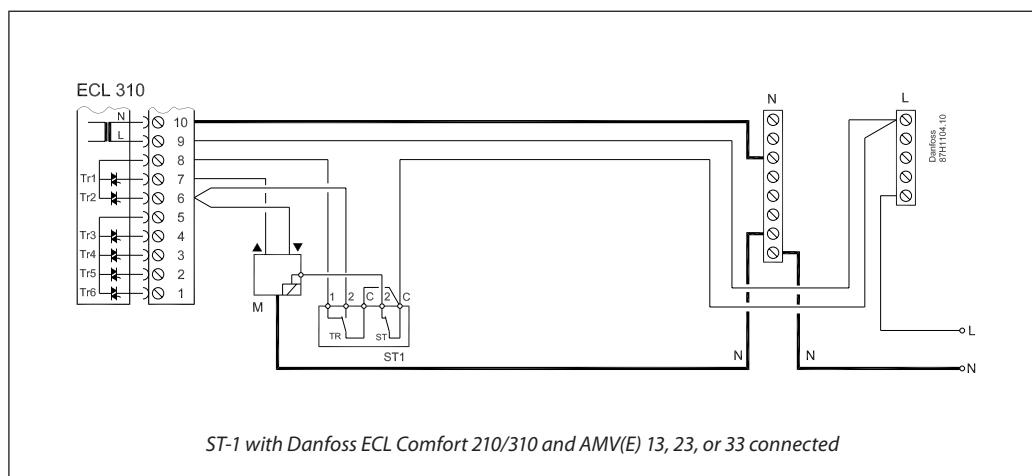
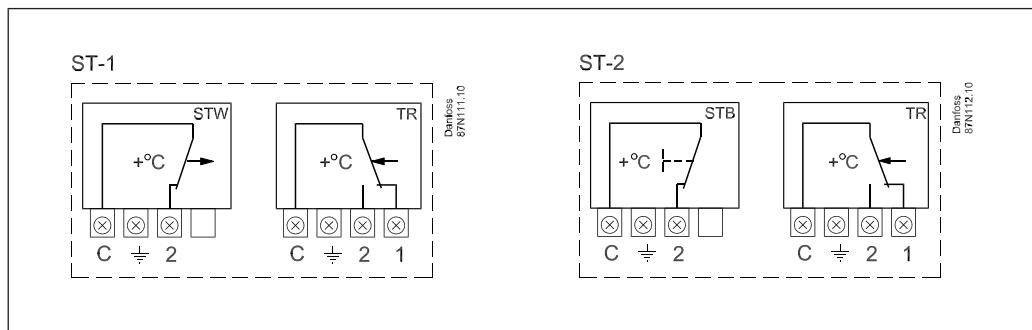
## Technical data

ST-1	TR	STW	ST-2	TR	STB
Setting	30 - 120 °C	100 - 120 °C	Setting	30 - 90 °C	95 °C
Differential	4 ± 1 K	12 ± 3 K	Differential	4 ± 1 K	12 ± 3 K
Reset	Auto	Auto	Reset	Auto	Manual
Contacts		Ag 1000/1000			
Contact loads		10 (2.5) A 250 V ~ / 7 A 380 V ~			
Max. ambient temperature		80 °C			
Max. sensor temperature		130 °C			
Cut-out accuracy		+0 K - -6 K			
Enclosure		IP 40			
Mounting direction		No restrictions			
Sensor connection		R 1/2			
Cable entry		M 20			
Pressure stage		PN 10			
Medium		Water, pH 7 - 10			
Sensor		2 off Ø 9 x 100			
Sensor pockets (takes both sensors)		Brass Ms 58/copper			
Storage and transport temperature		-15 °C - +80 °C			
Approvals		DIN 3440 and VDE 0631			

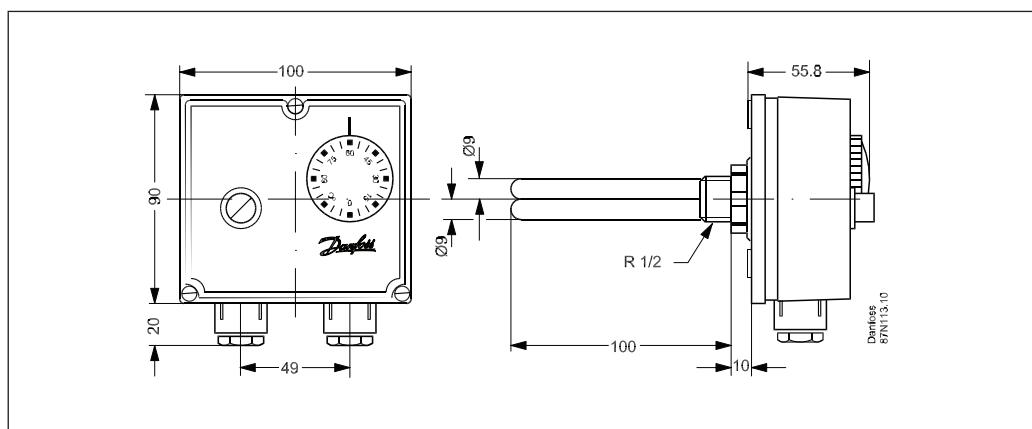
## Data sheet

## Safety thermostats ST-1/ST2

## Electrical connections



## Dimensions



## Danfoss A/S

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