SOLID FUEL PRODUCTS

FLUE GAS THERMOSTAT
SERIES CTF150



ESBE series CTF150 flue gas thermostat is intended for on/off control of circulation pumps and load units.

OPERATION

ESBE series CTF150 is typically used for on/off control of circulation pumps and load units. The flue gas thermostat consists of a temperature probe connected to the switch unit. The switch is used to control the electrical supply to a circulation pump or a load unit with an integrated circulation pump.

The series CTF150 can also be used in heat generator plants with multiple heat generators to change over from solid fuel to oil- or gas boilers.

The temperature probe can be mounted on the outside of the flue gas pipe, or inside the pipe using the immersion pocket series CTF851. The switch unit is prepared for easy wall mounting.

FUNCTION

The thermostat switch can easily be set to any target temperature between 20°C and 240°C by turning the setting knob. If needed, the temperature range can be limited by changing the position of pegs inside the housing of the switch unit.

If nominal value is reached, the changeover switch is activated, and when temperature drops back below nominal value, the switch is reset again.

MOUNTING

The temperature probe can be mounted either directly on the outside of the flue gas pipe, or inside the pipe using the immersion pocket series CTF851. The switch unit is prepared for easy wall mounting. The temperature probe is connected to the switch unit by a 1500 mm line.

OPTIONAL EQUIPMENT

Immersion pocket CTF851 _____ Art. No. 56020200

INSTALLATION EXAMPLE

FLUE GAS THERMOSTAT CTF150 DESIGNED FOR

● Heating

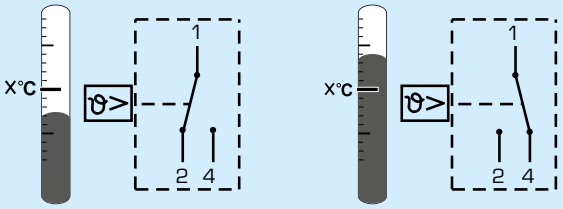
TECHNICAL DATA

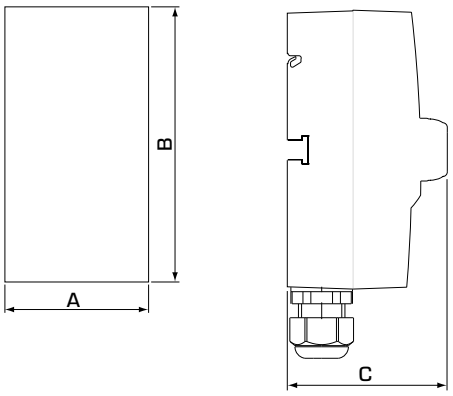
Ambient temperature - storage:_____ -30°C to +50°C
- use: _____ 0°C to +50°C
Enclosure rating:_____ IP54 (EN 60529)
Contact rating - N/C contact:_____ max. 16(2.5)A, 230 VAC
- N/O contact:_____ max. 6.3(2.5)A 230VAC
_____ min: 24V AC/DC, 100mA
Hysteresis: _____ 7% of the scale range
Temperature probe: _____ Ø6 mm x 96 mm
line: _____ Ø1.5 mm x 1500 mm
Immersion pocket: _____ Ø8 mm x 0.75 mm, length 100 mm
Weight: _____ 0.2 kg

Material
Case lid:_____ Plastic ABS
Housing: _____ Plastic PA (inforced)
Temperature probe: _____Stainless steel (CrNi, 1.4301)
insulation: _____Plastic PVC hose
Immersion pocket: _____Stainless steel (CrNi, 1.4571)

CE LVD 2014/35/EU
EMC 2014/30/EU
EN 14597

WIRING





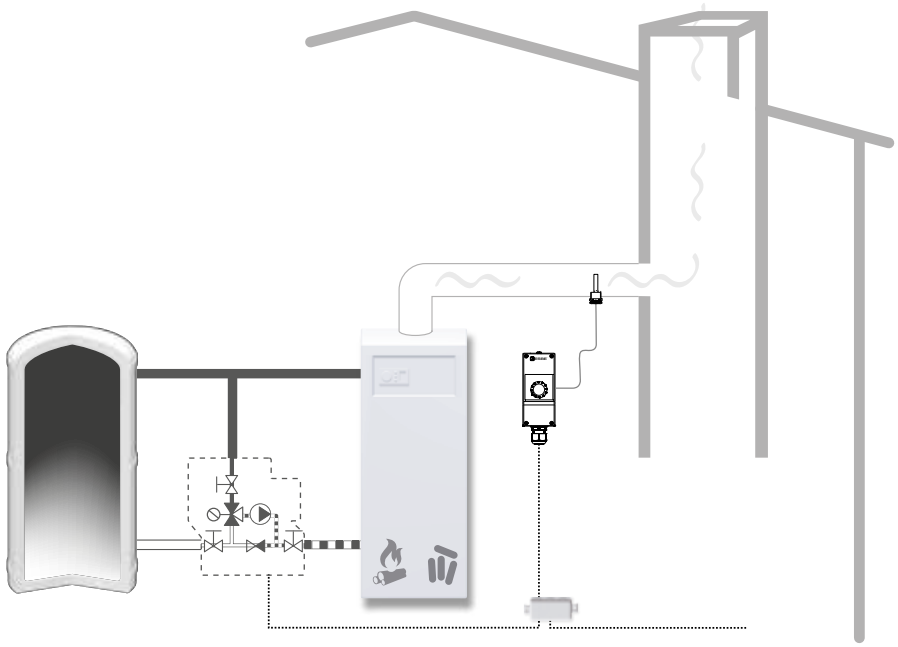
SERIES CTF151

Art. No.	Reference	Switch temp. range	Max. temp. probe	Dimension			Note	Weight [kg]
				A	B	C		
56020100	CTF151	20–240°C	500°C	53	120	70		0,2

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FLUE GAS THERMOSTAT
SERIES CTF150

INSTALLATION EXAMPLE



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