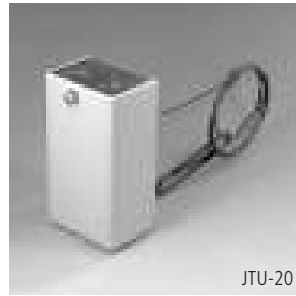


Duct Thermostat JTU-1...-50,
TÜV-compliant (TÜV = German Technical Inspection)
 Product Class D



Technical Data **Application**

Switching Capacity: 15 (8) A, 24–250 V~, at 24 V~ min. 150 mA
Contact: 1 microswitch as potential-free changeover contact (changeover switch)
Degree of protection: IP 40
Protection Class: I
Ambient Temperature: –15...+80°C
Sensor: liquid-type sensor made of Cu, active over its entire length
Max. Sensor Temperature: 200°C
Colour: grey

Minimum or maximum thermostat for monitoring supply air and fan control in ventilation and air-conditioning systems. Overheating protection thermostat for electrical heating registers and direct-fired air heaters in oil and gas operation.

JTU-2/-3/-20: Type tested by TÜV i.a.w. DIN 3440
 Reg. No.: STB 65901
 For air heaters i.a.w. DIN 4794

Type	Part No.	Ctrl Range	Switching Diff.	Type*	Cap. Length	Equipment**	€
JTU-50	E 6100000	–25...+65°C	1,5 K	TW	350 mm		58.20
JTU-1	E 6100012	20...100°C	8...30 K Adjustable	TW	350 mm	Intrinsic safety/cold protection	65.40
JTU-2	E 6100024	20...100°C	External manual reset	STB	350 mm	Intrinsic safety/cold protection	61.20
JTU-3	E 6100036	20...100°C	External manual reset	STB	350 mm	Intrinsic safety/cold and overheating protection	61.20
JTU-20	E 6100075	20...100°C	External manual reset	STB	1250 mm	Intrinsic safety/cold protection	62.30
JTU-5	E 6100048	60...140°C	8...30 K Adjustable	TW	350 mm		66.00
JTU-6	E 6100051	60...140°C	External manual reset	TB	350 mm		66.00

* TW = temperature monitoring unit, STB = safety temperature limiter, TB = temperature limiter

** **Intrinsic safety/cold protection:** The units are intrinsically safe, e. g. in the event of loss of sensor medium, for example, due to sensor breakage, the burner is shut off. Because negative temperatures produce the same effect by reduction of the volume of the sensor medium, the units are adjusted using the "cold screw" so that it shuts down the burner only upon reaching temperatures below –15°C. Restarting can be done only manually at temperatures higher than approx. –5°C by means of the manual reset button.

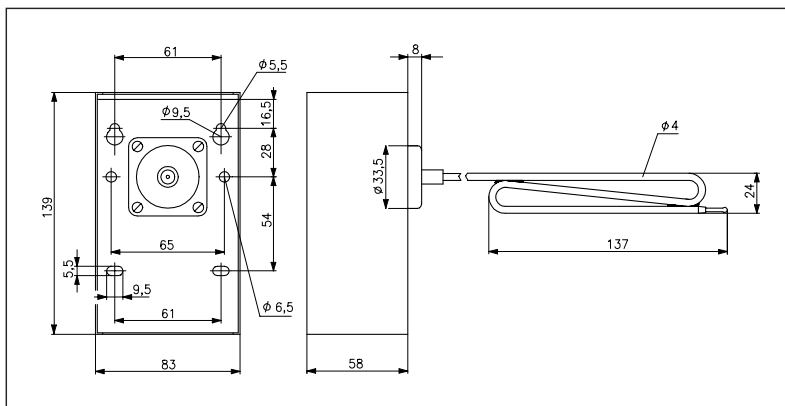
**** Overheating protection:**

The unit provides protection against overheating caused, for example, by heat accumulation or by insidious loss of capillary fill in the presence of non-self-revealing damage to the sensor or to the capillary tube, etc. Upon reaching a temperature of 220°C the fuse solder melts in the sensor and the device switches off the burner, due to the loss of the fill medium, in the interest of safety. The burner cannot be restarted.

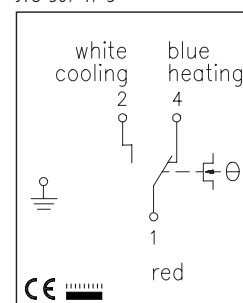
The device is then unusable and serves as evidence of the presence of an excess temperature of at least 220°C.

Duct Thermostat, 1-stage, without Auxiliary Power

JTU



JTU-50/-1/-5



JTU-2/-3/-20/-6

