

Channel thermostat JTU-1...-50, TÜV tested



Product class D



Technical data	Application
Switching capacity: 15 (8) A, 24–250 V~, at 24 V~ min. 150 mA Contact: 1 microswitch acting as potential-free change-over contact (reversing switch) Degree of protection: IP 40 Protection class: I Ambient temperature: –15...+80°C Sensor: liquid type sensor made of Cu, active on its entire length Max. sensor temperature: 200°C Colour: grey	Used either as minimum or as maximum thermostat for supervision of additional air and fan control in ventilating plants and air conditioning systems. Overheating protection thermostat for electric heating spirals and directly oil or gas fired air heaters.
JTU-2/-3/-20: TÜV tested (Technical Control Association), DIN 3440 compliant Register no.: STB 65996 For warm air heaters according to DIN 4794	

Type	Art.-No.	Control range	Switching difference	Type*	Length of capillary	Equipment**
JTU-50	E 6100000	–25...+65°C	1.5 K	TW	350 mm	
JTU-1	E 6100012	20...100°C	8...30 K adjustable	TW	350 mm	Intrinsic safety/cold protection
JTU-2	E 6100024	20...100°C	External manual reset	STB	350 mm	Intrinsic safety/cold protection
JTU-3	E 6100036	20...100°C	External manual reset	STB	350 mm	Intrinsic safety/cold protection overheating protection
JTU-20	E 6100075	20...100°C	External manual reset	STB	1250 mm	Intrinsic safety/cold protection
JTU-5	E 6100048	60...140°C	8...30 K adjustable	TW	350 mm	
JTU-6	E 6100051	60...140°C	External manual reset	TB	350 mm	

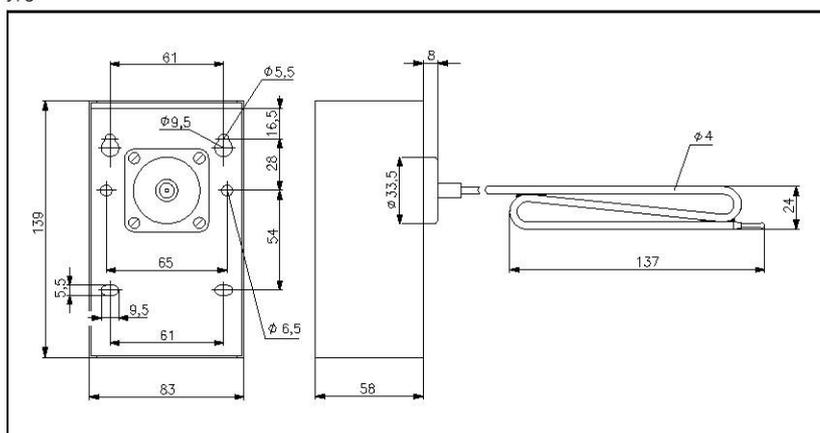
* TW = temperature controller, STB = safety temperature limiter, TB = temperature limiter

** **Intrinsic safety/cold protection:** all devices are fail-safe, i.e. the burner is deactivated if the sensor medium gets lost, e.g. in the event of a sensor breakdown. As minus temperatures may cause the same effect due to a volume reduction of the sensor medium used, the device can be adjusted using the "cold screw" provided for this purpose in such manner that the burner is only deactivated at temperature levels below –15°C. In this event, restart is possible only using the manual reset key and only at temperature levels higher than –5°C.

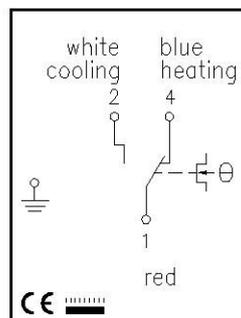
**** Overheating protection:**

The device protects against uncontrolled overheating, e.g. caused by heat accumulation or if the overheating is due to the fact that the medium the capillary tubes are filled with disappears because the sensor or the capillary tube has suffered invisible damages etc. Upon the attainment of a temperature of 220°C, the safety solder in the sensor melts and the device, due to the loss of the medium it was filled with, deactivates the burner in a fail-safe manner. After that, the burner cannot be restarted. The device is now unserviceable and, in this condition, serves to provide evidence of the fact that an excess temperature of at least 220°C had been reached.

JTU



JTU-50/-1/-5



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

