

TC101 Temperature Controller

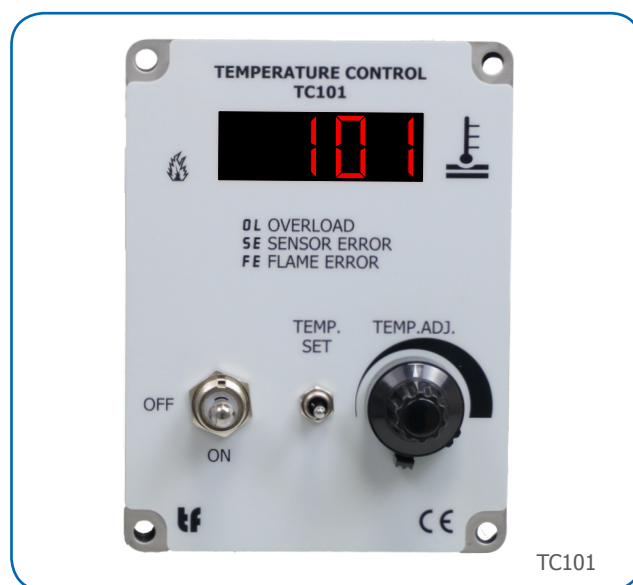
1 Channel Temperature Controller for Gas Heating

The TC101 Temperature Controller is the user-interface for the TC101 temperature control systems. It is designed to automatically maintain the correct operating temperature of asphalt containers/hotboxes or other related equipment throughout operation without overheating the bitumen.

The TC101 Temperature Controller provides the ability to adjust the temperature to the desired temperature on the turning knob. Once the desired temperature is set, the TC101 Temperature Controller automatically maintains this temperature. It is not possible to manually override the temperature set, but the system can be turned on/off on the switch.

The TC101 Temperature Controller is a single channel system monitoring the temperature via one connected Pt-100 temperature sensor. It regulates the temperature to the level set by the operator by turning the connected FCE60 Ignition Box ON/OFF. The ignition box controls the gasflow to maintain the desired temperature.

This version without automatic re-ignition is specifically designed to comply with the 2006/42/EC Machinery Directive.



TC101

TC101 Temperature Controller Specifications	
Part Number	S-50121 S-50122
Power Supply	12/24 Volt System (11-30 VDC)
Power Consumption	Typical at 24 VDC 80 mA Max. 200 mA
Dimensions (LxWxH)	121x90x45mm / 4.8x3.5x1.8in
Weight	350g / 0.8lbs
Storage Temperature	-40°C to 85°C / -40°F to 185°F
Operating Temperature	0°C to 60°C / 32°F to 140°F
Temperature Control Range	20°C to 90°C / 68°F to 194°F (S-50121) 50°C to 175°C / 122°F to 347°F (S-50122)
Auto Mode Available	Yes
Manual Mode Available	No
Burner Output	1x Temperature Controlled Output (max 3.5A)
Input	Pt-100 Temperature Sensor
Resolution	1°C
Connector	BLZ 5.08/7 SN OR



TC101 mounted in a cabinet