




# STEGO FTO011 Controlling Heaters User Guide

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**STEGO FTO011 Controlling Heaters**



## WARNING

There is a risk of personal injury and equipment damage if the connection values are not observed or polarity is incorrect!

## FEATURES

	0.8Nm (7.1lb-in)		2.5mm <sup>2</sup>
	AC 250V, 5(1,6)A AC 120V, 10(2)A		-40 ... +80°C (-40 ... +176°F)
	max. 90%rH		30g

## TEMPERATURE

Contact	Switch-off temperature	Switch-on temperature
(NC)	+15 °C / +59 °F ±5 K	+5 °C / +41 °F ±5 K
(NC)	+25 °C / 77 °F ±5 K	+15 °C / 59 °F ±5 K
(NC)	+10 °C / +50 °F ±5 K	0 °C / +32 °F ±5 K
	Switch-on temperature	Switch-off temperature
(NO)	+50 °C / +122 °F ±7 K	+40 °C / +104 °F ±6 K
(NO)	+60 °C / +140 °F ±7 K	+50 °C / +122 °F ±7 K
(NO)	+35 °C / +95 °F ±7 K	+25 °C / +77 °F ±6 K

## USAGE

The temperature controllers are used for controlling heaters, coolers, filter fans and heat exchangers in stationary, sealed housings for electrical devices. In addition, they can also be used as switching contacts (min. 24V, 20mA) for signal devices used as low- or high-temperature alarms.

### Versions

- a) Normally closed contact (switching contact opens when temperature increasing)
- b) Normally open contact (switching contact closes when temperature decreasing)
- c) Combination (combinations of a) and b))

### Safety considerations

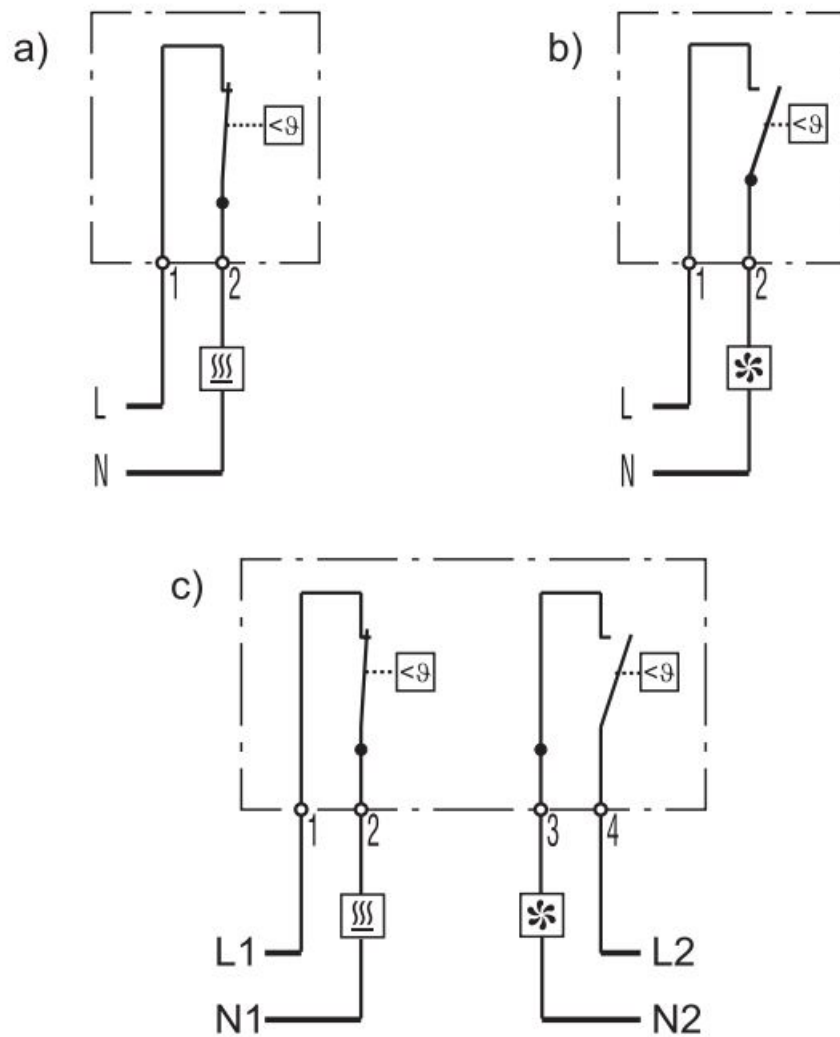
- Installation must only be performed by qualified electrical technicians in observation of the respective national power-supply guidelines (IEC 60364).
- The safety measures according to VDE 0100 are to be ensured.
- The technical specifications on the type plate must be strictly observed!
- No changes or modifications must be made to the device.
- In case of apparent damage or malfunction, the device may not be repaired or put into operation. (Dispose of device.)
- The contact system of the regulator is exposed to environmental influences. This can result in a change in the contact resistance, which can lead to a drop in voltage and/or self-warming of the contacts.
- Notice: From an ambient temperature in the electric cabinet of 70°C (158°F), a heat-resistant cable must be used to connect the thermostat. Installation guidelines
- The regulator should be installed in the upper area of the electric cabinet as far as possible from heaters or other heat-generating components.
- The device must not be covered.
- The device must not be operated in environments with aggressive atmospheres.
- The device must only be operated in an environment that ensures contamination class 2 (or better) in accordance with IEC 61010. Contamination class 2 means that only non-conductive contamination may occur. However, it is likely that there will occasionally be temporary conductivity caused by condensation.

### Technical Data

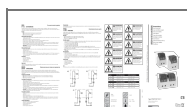
- Sensor: thermo bimetal
- Type of contact: snap-action contact
- Overvoltage category III
- Mode of operation: 1.B
- Rated impulse voltage: 4kV

### Notice

The manufacturer accepts no liability in the case of failure to observe this brief instruction, improper use and changes or damage to the device.



## Documents / Resources



[STEGO FTO011 Controlling Heaters \[pdf\] User Guide](#)  
FTO011 Controlling Heaters, FTO011, Controlling Heaters, FTS011, FTD011