Operating instruction
Temperatur Control TC 01

Praher

Abb. 1:

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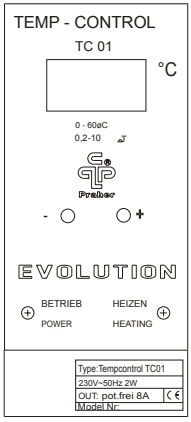
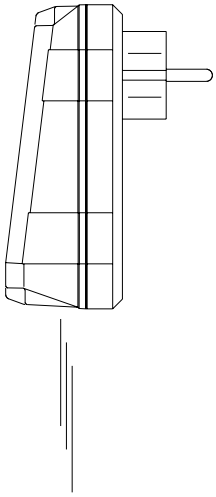




In case of damages caused by non-observance of the Operator's Manual, or damages to the leaded parts, the warranty claim shall elapse. We shall undertake no liability for any resulting damages!
Please make sure to read the Operator's Manual carefully befor initial operation.

Operating instruction
Temperatur Control TC 01

1. Safety precautions::

- Suitabl for t mp ratur s up to a maximum of 60°C
- Thise device was built and tested according to the safety precations for electrical devices. It left the works in perfect condition in terms of technical safety.
- In order to preserve this condition and to ensure safe operation, the operator must observe the safety precautions provided in this Operator's Manual.
- Installation jobs must be performed by an authorised and licensed plumber or electronics company only.
- Carry out all electric installations according to the respective local and regional codes (e.g. ÖVE, VDE standards, ...) And, if necessary, official regulations.
- Make sure the distribution voltage is correctly prodtected by fuse, and that a ≤ 30 mA residual current operateddevice is installed.
- Use the device in dry rooms only, where there is no combustible gas or vapour.
- Do not put the device into operation immediately after bringing it from a cold room into a warm one. Under certain circumstances any condensation water forming this way my destroy the device.
- If the device shows any visible damages; has ceased to work; or ws stored in unfavourable conditions for a longer period; it can be assumed that a safe operation is no longer possible:
  In this case the device must be protected against accidental operation, and, if necessary, taken out of service.
- When opening any covers or removing parts, live parts may be exposed. Before adjustment maintenance jobs, repairs or exchanging parts or strucural components the device must be disconnected from all supply points, when it is necessary to open the device. If it then becomes unavoidable to perform adjustments, service jobs or repairs on the open, current-carrying device, this may only be done by an experienced expert who is familiar with relevant regulations and the dangers involved.
- Capacitors inside the device may still be charged, even if the device is separated from all supply points.

This product is conform with the following EC standards
- Electro-Magnetic Compatibility 89/336/EWG
- Low-Voltage Directive 73/23/EWG

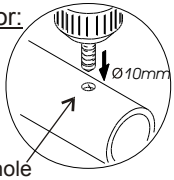
2. Correct use:

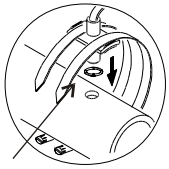
This device is a control panel which measures temperatures by means of a sensor, and which then connects to a potential - free contact that can be used for switching on a pump, ball valve, heating etc.
Any use other than the use specified under “Correct use” is not permitted!

3. Mounting:

If it becomes necessary to lengthen the temperature sensor, unplug the device and separate the cable in a suitable place. Lengthen expertly using a terminal box, commercially available for this pupose, up to a maximum of 50m with a 20.5-mm cross section.

Mountingt temperature sensor:




O-Ring, Sealing element

4. General information

Praher Temp - Control Tc01 is a product of high technical quality, manufactured according to state-of-the-art production methods with the greatest of care.
Should you still have any justified complaints, these will naturally be seen to as soon as possible.
WARRANTY: According to EU - law. The works guarantee period begins with the date of delivery. This date is contained in the serial number on the identification plate.

5. Initial operation / function:

After plugging in the control the GREEN LED will light up for POWER (operating), and the ACTUAL temperature detected by the sensor is indicated.

By pressing briefly the [+] or [-] button you switch over to the DESIRED-temperature mode.The desired temperature can be altered by pressing either the [+] or the [-] button. (0-60°C selectable in 0.1°C steps).
By briefly pressing the [+] or [-] button (at the same time), the hysteresis mode is turned on (0.2 - 10°C selectable in 0.1 steps).

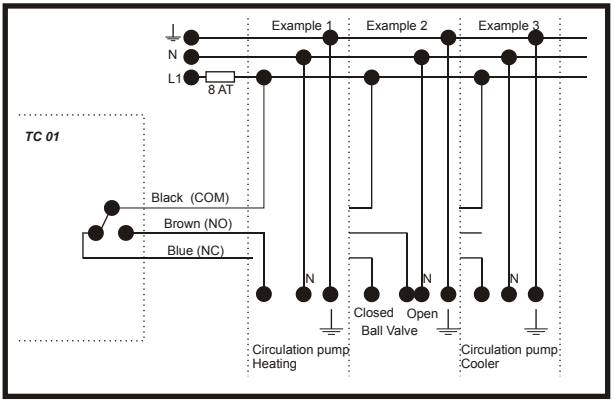
After about 5 seconds the device switches over to the ACTUAL temperature, and any altered data is automatically saved. If the pre-set temperature is not yet achieved, the RED LED lights up (heating).

6. Technical specifications:

Voltage:	230 VAC	Frequeny:	50 Hz
Performance:	2 VA	Systemof protection:	IP 40
Outlet:	I max. 8A (potential - free)	Int. Operating voltage:	5 VDC
Sensor cable:	3 m	Desired temp.:	0 - 60 °C*) 32 - 140°F
		Hysteresis:	0,2 - 10 °C*) 1 - 18°F

*) selectable in 0.1°C steps!

7. Example:



8. Troubleshooting:

- Read Operator's Manual carefully
- **Device shows no function at all:**

  - Check operating voltage
  - Check fuse

- **Outlet does not connect:**

  - Check condition and function of all connected devices
  - Check switching contact (relay)

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