PRODUCT CATALOGUE

# CONTROL + SAFETY. ONE THERMOSTAT.

## Stem Thermostats · DST and TR-1

DST: adjustable control plus a bipolar 90 °C safety cut-out · TR-1: single-pole control

DST · TR-1 | DST: 90 °C safety, manual reset | 16 A · 250 V~ | Stems 180 – 450 mm

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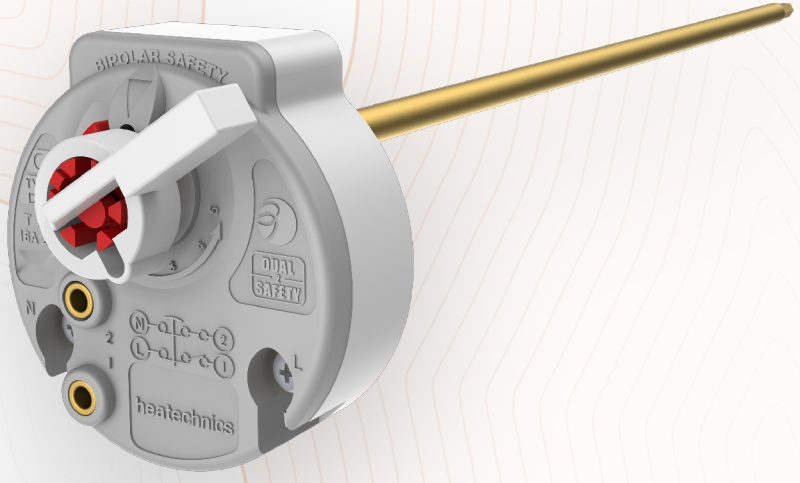
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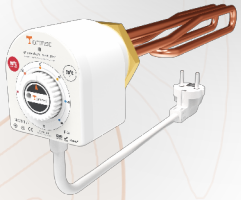
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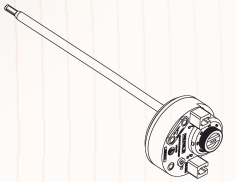
**Click a model, get a quotation.** Every model in the tables is a link: an e-mail with the full specification opens, ready to send.

**Applications:** Electric storage water heaters (OEM and spare parts) · tanks with a stem-thermostat pocket



DST, also fitted to Tormec copper heaters



TR-1 single-pole stem thermostat

WHY BALÇIK · SINCE 1959 · 20M+ ELEMENTS A YEAR

- Assembled and calibrated in-house
- Thermostat and element, one supplier
- Setting and stem to your heater
- ISO 9001:2015 · Bureau Veritas

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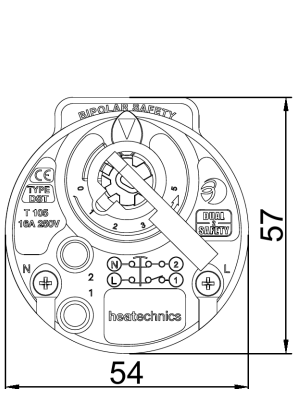
CE | ISO 9001:2015 · REACH · RoHS

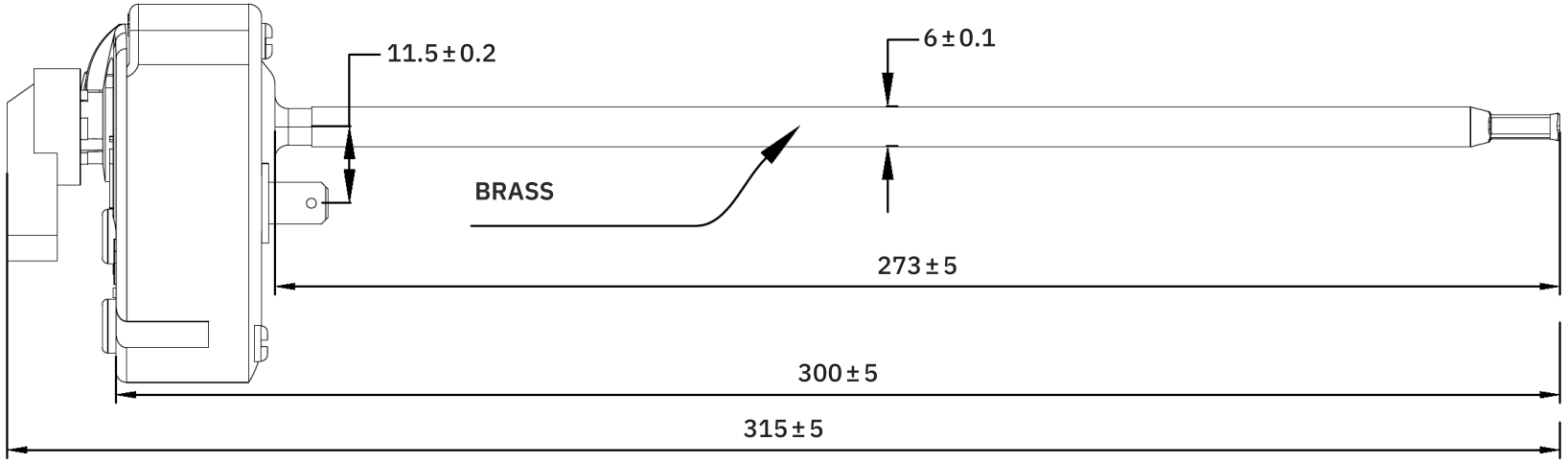
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Since 1959 · Exporting to 60+ countries

DST · DOUBLE SAFETY

# Double safety thermostat 2 standard versions

Control setting, cut-out temperature and stem length matched to your heater.

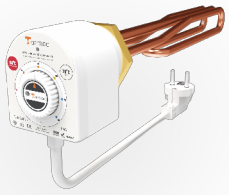



Dimensions in mm. Drawing is schematic. Drawing TRM.DST.

## STANDARD VERSIONS

| CODE | CONTROL standard setting | SAFETY CUT-OUT manual reset | STEM LENGTH mm | RATING |
|---|---|---|---|---|
| **DST/709027L** | 70 ± 4 °C | 90 °C | 273 ± 5 | 16 A · 250 V~ |
| **DST/659027L** | 65 ± 4 °C | 90 °C | 273 ± 5 | 16 A · 250 V~ |



### Also fitted to our heaters

Supplied on its own or fitted to our copper immersion heaters: thermostat and element from one supplier.

## SPECIFICATIONS

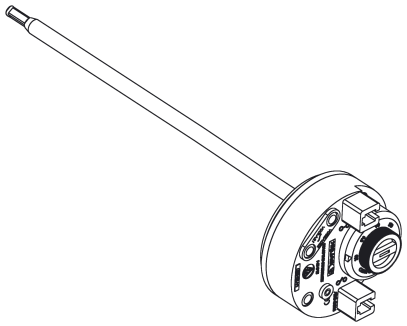
| | |
|---|---|
| Type | **Bipolar bimetallic, double safety, stem type** |
| Control | **Adjustable · standard max. 70 or 65 ± 4 °C** |
| Differential | **8 ± 4 °C** |
| Safety cut-out | **90 °C standard (75 – 120 °C to order) · manual reset** |
| Rating | **Up to 16 A, 250 V~ · single phase** |
| Stem | **Brass tube Ø6.00 × 0.40 mm** |
| Stem lengths | **180, 220, 275, 350, 450 mm on request** |
| Terminals | **Fast-on, 6.3 × 1.0 mm** |
| Conformity | **CE marked** |

**Click a model to request a quotation** — an e-mail with its full specification opens, ready to send.

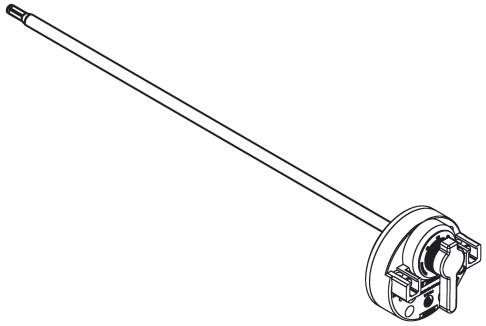
TR-1 · SINGLE POLE

# TR-1 stem thermostat 4 standard versions

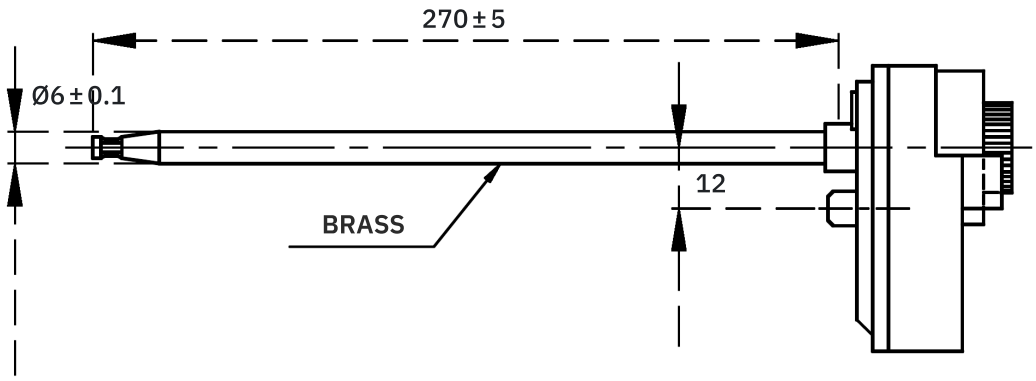
Adjustable single-pole control thermostat. For a manual-reset safety cut-out in the same housing, choose the DST (page 2).



TR-1/7027 · 8027: knob on the head



TR-1/7027L · 8027L: external adjustment




Dimensions in mm. Drawing is schematic. Drawings TRM-TR1 and TRM-TR1L.

## STANDARD VERSIONS

| CODE | CONTROL standard max. | EXTERNAL ADJUSTMENT | STEM LENGTH mm | RATING |
|---|---|---|---|---|
| **TR-1/7027** | 70 ± 4 °C | no | 270 ± 5 | 16 A · 250 V~ |
| **TR-1/7027L** | 70 ± 4 °C | yes | 270 ± 5 | 16 A · 250 V~ |
| **TR-1/8027** | 80 ± 4 °C | no | 270 ± 5 | 16 A · 250 V~ |
| **TR-1/8027L** | 80 ± 4 °C | yes | 270 ± 5 | 16 A · 250 V~ |

### DST OR TR-1?

**DST** Control and a manual-reset, bipolar safety cut-out in one housing.

**TR-1** Control only: for heaters that already have a separate safety cut-out.

## SPECIFICATIONS

| | |
|---|---|
| Type | **Single-pole stem thermostat (control)** |
| Control | **Adjustable · standard max. 70 or 80 ± 4 °C** |
| Operating range | **20 – 90 °C** |
| Differential | **8 ± 4 °C** |
| Rating | **Up to 16 A, 250 V~ · single phase** |
| Stem | **Brass tube Ø6.00 × 0.40 mm · 180, 220, 275, 350, 450 mm on request** |
| Head | **Ø54 ± 0.5 mm · overall 292 ± 5 mm (L versions 310 ± 5 mm)** |
| Terminals | **Fast-on, 6.3 × 1.0 mm** |

**Click a model to request a quotation** — an e-mail with its full specification opens, ready to send.

ORDERING

## How to order

**1 Choose a version**
Click a code in the DST or TR-1 table, or send us the thermostat you use today: we propose the equivalent.

**2 Add quantity and destination**
We reply with our quotation.

**3 Test, approve, order**
Samples for your tests and approval, then series supply.

**NOT IN THE TABLES?**

Control setting, cut-out temperature (DST, 75 – 120 °C) and stem length (180 – 450 mm) are matched to your heater. Technical drawings TRM.DST and TRM-TR1 on request.

**YOUR BRAND**

On request we produce under your brand (OEM): your name on the product and on the box.

QUALITY

## Built and checked in-house

**Calibrated in our plant**
Assembled and temperature-calibrated in-house; brass Ø6 mm stems.

**Designed in-house**
Our own design and drawing; setting, cut-out and stem length matched to your heater.

**Certified and CE-marked**
ISO 9001:2015 quality system by Bureau Veritas; DST thermostats carry the CE mark.

**Thermostat and element, one supplier**
Supplied alone or fitted to our copper immersion heaters.

**20M+**
heating elements a year

**60+**
export countries

**1959**
family-owned, 3rd generation

**About us.** BALÇIK TORMEC makes 20M+ tubular heating elements a year for OEMs in 60+ countries, in Ankara since 1959, with 100% high-voltage testing in line and lot traceability from raw material to packing. ISO 9001:2015 by Bureau Veritas. Shipped with A.TR: no customs duty into the EU.

Edition 10/2026. Specifications and dimensions may change without notice; drawings are schematic.

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