

# Thermostat Type **UT**



The UT thermostat is a temperature-controlled electric switch with stainless steel (18/8) or copper capillary and sensor.

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The temperature can be set easily and accurately using the large knob on the front of the thermostat. The temperature must be set to correspond to the required mean temperature.

## Features:

- The thermostats has a fixed differential
- The temperature must be set in accordance with the required mean temperature
- Electric connections are made by means of cable clamps and terminal screws
- AMP quick connectors may be used in connection with cabinet mounting
- UT is available for wall or panel mounting, and can be used for: cold rooms, beverage coolers, ice cream makers, milk coolers, refrigerated counters, air-conditioning plant, heat recovery systems



# **Product specification**

## Technical data

## Table 1: Technical data

| Features                                       | Values                     |
|--|----------------------------|
| Function range: UT 72 (for universal purposes) | -30 – 30 °C                |
| Function range: UT 73 (for frost protection)   | 2.5 − 40 °C                |
| Ambient temperature                            | -30 – 55 °C                |
| Reset  | Automatic                  |
| Differential                                   | Fixed, 3.0 K               |
| Switch system                                  | Changeover (SPDT) switch   |
|  | AC-1: 16 A / 250 V         |
| Contact load                                   | AC-3: 7.5 A / 250 V        |
|  | AC-15: 1 A / 250 V         |
| Capillary tube                                 | Copper or 18/8 steel       |
| Sensor   | Copper or 18/8 steel       |
| UT for wall mounting                           | IP20 to EN 60529 / IEC 529 |
| UT for building in                             | IP00 to EN 60529 / IEC 529 |

# Dimensions [mm] and weights [kg]

## Table 2: Dimensions [mm] and weights [kg]



| Туре  | A        |          | В      |      |  |
|-------|----------|----------|--------|------|--|
|       | Copper   | 18/8     | Copper | 18/8 |  |
| UT 72 | max. 119 | max. 150 | 1.25   | 0.9  |  |
| UT 73 | max. 119 | -        | 1.25   | -    |  |



## Thermostat, UT

## Ordering

#### **Table 3: Ordering**

| Version       | Туре  | Range    | Differential | Reset | Max. sensor<br>temperature | Capillary tube<br>length | Qty. | Code no.                |          |
|---------------|-------|----------|--------------|-------|----------------------------|--------------------------|------|-------------------------|----------|
|               |       | [°C]     | [K]          |       | [°C]                       | [m]                      |      | Copper                  | 18/8     |
| Wall mounting | UT 72 | -30 - 30 | 3            | aut.  | 80                         | 2                        | 1    | 060H1701                | 060H1706 |
|               | UT 72 | -30 - 30 | 3            | aut.  | 80                         | 2                        | 1    | 060H1703 <sup>(1)</sup> | -        |
|               | UT 72 | -30 - 30 | 3            | aut.  | 80                         | 3                        | 1    | 060H1705                | -        |
|               | UT 73 | 2.5 – 40 | 3            | aut.  | 80                         | 2                        | 1    | 060H1702                | -        |
|               | UT 72 | -30 - 30 | 3            | aut.  | 80                         | 3                        | 24   | 060H1708                | -        |
| Building in   | UT 72 | -30 - 30 | 3            | aut.  | 80                         | 3                        | 48   | 060H1805                | -        |
|               | UT 73 | 2.5 – 40 | 3            | aut.  | 80                         | 2                        | 48   | 060H1802                | -        |

<sup>(1)</sup> Incl. bulb clamps.

## **Accessories**

#### Table 4: Accessories

| Туре          | Qty. | UT 72    | UT 73    |
|---------------|------|----------|----------|
| Setting knobs | 48   | 060-1067 | 060-1096 |
| Bulb clamp    | 36   | 060-1090 | 060-1090 |

## Certificates, declarations, and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

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#### Table 5: Certificates, declarations, and approvals

| File name               | Document type                   | Document topic | Approval_authority |
|-------------------------|---------------------------------|----------------|--------------------|
| RU C-DK.БЛ08.В.00341_19 | Electrical - Safety Certificate | EMC/LVE        | EAC                |
| UA.10146.D.00075-19     | UA Declaration                  | EMCD/LVD       | LLC CDC EURO TYSK  |
| 060-9639.AB             | Manufacturers Declaration       | China RoHS     | Danfoss            |

CE-marked in accordance with:

• LVD 2006/95/EC (EN 60730-1-2000)

• EMC directive 2004/108/EC (EN 61000-6-3-2002; EN 61000-6-1-2002)

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