



## Fire protection thermostat

## TKM2

for air ducts

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### Fire protection thermostat for monitoring of air duct temperatures

- Switch-over contact AC 250 V / 10(2) A
- Measuring range 20 ...110 °C

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### Use

The TKM2 fire protection thermostat is typically used for monitoring temperatures in air ducts, to prevent the outbreak of fire. When the duct temperature rises to the preselected setpoint the thermostat switches over.

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### Ordering

When placing an order, please specify the quantity, product description and type code.

*Example:*

**1 fire protection thermostat, type TKM2**

## Technical design

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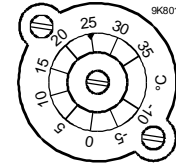
The housing of the fire protection thermostat is made of plastic and is equipped with a removable cover which is fixed with 2 screws. The housing is fixed to a metal mounting plate.

The sensor probe of the TKM2 fire protection thermostat is located inside the wire spiral soldered to the mounting plate. The sensor operates according to liquid expansion principles.

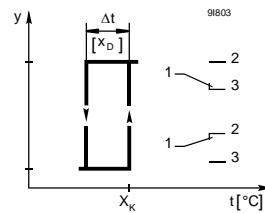
## Adjustment

To adjust the setting, remove the housing cover.

- Setpoint  $X_K$  : adjustable 20 ...110 °C
- Switching differential  $\Delta t$  :
- It cannot be adjusted: 2 K, fixed



## Operating diagram



## Mounting notes

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Mounting instructions are enclosed with the thermostat (Ref. 35199).  
The thermostat housing is fixed to the outside of the air duct.

## Disposal

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The devices are considered electronics devices for disposal in term of European Directive 2012/19/EU and may not be disposed of as domestic waste.

- Dispose of the device via the channels provided for this purpose
- Comply with all local and currently applicable laws and regulations.

## Technical data

|                          |                                      |   |
|--------------------------|--------------------------------------|---|
| General device data      | Output                               | Voltage free  |
|                          | Contact rating                       | Max. AC 250 V   |
|                          |                                      | Max. 10 A resistive   |
|                          |                                      | Max. 2 A inductive, $\cos \varphi > 0.2$  |
|                          | Voltage against earth                | Max. AC 250 V   |
|                          | External supply line protection (EU) | Fuse slow max. 10 A   |
|                          |                                      | or<br>Circuit breaker max. 13 A<br>Characteristic B, C, D according to EN 60898 |
|                          | Setpoint $X_k$                       | 20 ... 110 °C   |
|                          | Switching differential $\Delta t$    | 2 K, fixed  |
|                          | Mounting position                    | Any   |
|                          | Housing materials                    | Plastic   |
|                          | Cable entry                          | PG11  |
|                          | Protection class                     | I according to EN 60730-1   |
|                          | Protection degree of housing         | IP54 according to EN 60529  |
|                          | Ambient temperature                  |   |
| Housing top              | Max 100 °C                           |   |
| Sensor                   | Max 10 % above measured value        |   |
| Weight                   | 0.52 kg                              |   |
| Directives and Standards | Product standard                     | EN 60730-1  |
|                          | EU Conformity (CE)                   | CA1T1224xx <sup>*)</sup>  |

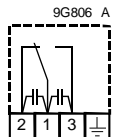
<sup>\*)</sup> The documents can be downloaded from <http://siemens.com/bt/download>.

## Connection terminals

Contact position 'Cold'

### Caution

Observe the technical data for the switching contact: max. AC 250 V / 10(2) A



## Dimensions

All dimensions in mm

