

# Actuators

## Thermal actuators



### For switching between the heating and cooling modes of adjustable air terminal devices

Thermal actuators for air terminal devices Types QSH, ISH and TJN

- Modulating change of the discharge direction for different operating situations
- Mechanical self-powered
- Shape memory alloy or wax as actuation material

Type		Page
Thermal actuators	General information	TH – 2
	Function	TH – 3
	Technical data	TH – 4
	Variants	TH – 5

---

**Application**

**Application**

- Actuators for self-powered variable adjustment
- Modulating operation of adjustable air terminal

devices

- Adjustment of the air discharge direction

**Functional description**

The actuator is self-powered and moves the blades or other air control elements of an air terminal device to any position between the HEATING and COOLING positions.

Thermal actuators are fitted inside air terminal devices and in the supply air flow. As the supply air temperature rises, the shape of the wax or shape memory alloy changes.

**Thermischer Stellantrieb T**

<b>Arbeitsbereich</b>	15 – 35 °C
<b>Stellweg</b>	10 mm

**Thermischer Stellantrieb T1**

<b>Arbeitsbereich</b>	18 – 32 °C
<b>Stellweg</b>	10 mm
<b>Gewicht</b>	0,15 kg

TJN, FGL-Aktor



**T**

**Application**

- Actuator, self-powered, for changing the discharge direction of air terminal devices

Types QSH and ISH

**Parts and characteristics**

- Housing: copper tube
- Actuation material: ethyl acetate

**T1**

**Application**

- Actuator Type FGL, self-powered, for modulating the discharge direction of air

terminal devices Type TJN

**Parts and characteristics**

- Actuator with shape memory alloy
- Plastic housing accommodates the springs