

TEMPERATURE DIFFERENCE THERMOSTAT LEK 24-PT

The relay of the LEK 24-PT differential temperature thermostat will switch on when the temperature difference between TE2 and TE1 (TE2-TE1) exceeds the set point, and the relay releases when the difference goes below the set point minus hysteresis (TE2 – TE1 - hysteresis). The signal light is on as the relay is on.

TE1 is detecting lower and TE2 higher temperature levels.

Sensor / sensors can be used as inputs for several LEK 24-PT thermostats. In this case, the corresponding sensor jumper must be removed in the slave thermostats.

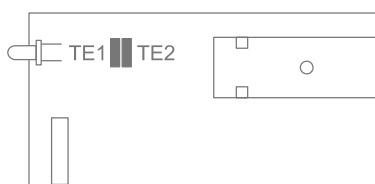
The temperature difference is detected by two Pt1000 temperature sensors. The sensors can be room, duct, water or outdoor sensors for example.

The thermostat housing is the 11-pole relay housing.

Wiring

10	24 Vac/dc
2	0 V
7	C Common contact
6	NC Normally closed contact
8	NO Normally open contact
11	+ TE1 sensor (lower temperature)
3	+ TE2 sensor (higher temperature)
1	- Common (for TE1 and TE2)

Measuring method selection



	¹ Own sensor	² Shared sensor
TE1	■	● ●
TE2	■	● ●

¹ Factory setting

² Sensor signal for example from another LEK 24-PT



Technical data

Supply	24 Vac/dc (22...26 V), < 2 VA
Relay contact	change over contact 230 V, 5 A res
Temperature sensors	Pt1000, 1000 Ω / 0 °C
Set point	0...10 °C difference
Hysteresis	approx. 0,2...5 °C
Dimensions (w x h x d)	35 x 79 x 95 mm

Ordering guide:

Model	Product number	Description
LEK 24-PT	1120060	temperature difference thermostat
TEHR PT 1000	1174190	room temperature sensor
TEK PT 1000	1174040	duct temperature sensor
TENA PT 1000	1174050	water temperature sensor
TEAT PT 1000	1174070	water temperature sensor
TEU PT 1000	1174090	outdoor temperature sensor

Product fulfill the requirements of directives 73/23/EEC and 2004/108/EC and are in accordance with the standards EN60730, EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).