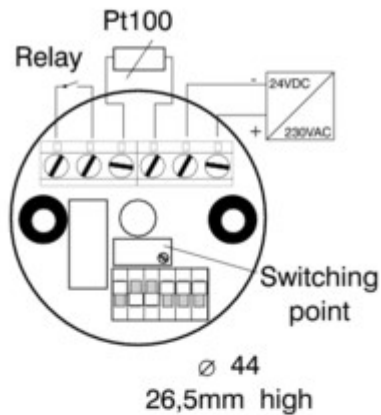


Components and accessories

Transmitter

Transmitter LKM 105



In-head switch transmitter LKM 105 for resistance thermometers Pt100 for mounting in connection heads form B

The LKM 105 is a free configurable transmitter for Pt100 measuring resistors according to DIN EN 60751. When a free selectable switching temperature is reached, a potential-free relay contact is switched. This contact can be configured as normally closed or normally open via a DIP switch. Another DIP switch allows the change of the hysteresis. A small microcontroller prevents the relay from "chattering" even if the switching point is exceeded slowly, as is common with many temperature curves. By four further DIP - switches the measuring range is roughly selected. The fine adjustment of the switching point is carried out by means of an adjuster. The Type 105 can be ordered from the factory

with a customer-specific configuration. A change of the switching point is possible at any time. The Type 105 is suitable for mounting in the B-head and can thus be completed with a wide variety of sensors to form a temperature monitoring unit. Simple controlled systems can also be realized with it.

Input

Pt100, 2 wire circuit

Sensor fracture

like high temperature

Shorted Sensor

like low temperature

Permissible ripple

< 10 %

Vibration

5g/10-200Hz

Switching current

max. 5A

Switching range

16 ranges between -200°C ... 480°C

Switching precision

< 1 %

Contact rating

150W / 1250VA

Switching voltage

30VDC, 250VAC

TCR

Components and accessories

Transmitter

Transmitter LKM 105

< 50ppm/°C

Accuracy

<1% FS

Operating temperature range

-25 °C ... +70 °C

Terminal type

screw terminal

Clamping range

0.13...1.5mm²

Humidity

< 95%

EMC emission

EN 61000-6-3:2001

EMC interference rejection ratio

EN 61000-6-3:2001

Mounting

B-Head

Supply voltage

21 ... 27 VDC / 15mA

Dimension

44mm x 26,5mm (DxH)

Sealing compound

Polyurethan, black

Weight

approx. 40g