

# INSTRUCTION MANUAL

## Bimetallic contact thermometer DKR



### Description and use:

Technical stem thermometer with switching contacts, type DKR, is designed as an operational thermometer for temperature measuring and for automatic remote control of signalization „previously set temperature reached“. If desired to be used in liquid or moist environment it is essential to use with a well. Installed in applications with no specific hygienic standards, using well, which protects the stem from liquids and pressures above 0,3MPa. Produced in two variants: maximum and minimum. Consists of a head and a stem. At the back side of the head, under a removable cover, there are screwed connecting terminals 1 and 2. There is a protection terminal fixed

to the stem allen. The temperature sensor is placed in the end of the stem. and temperature between 0°C and 30°C, with no significant temperature variations

The regulatory knob for adjustable indicator setting is placed in the front glass.

Thermometer DKR maximum has the adjustable indicator to the right from the contact needle. Thermometer DKR minimum has the adjustable point. indicator to the left from the contact needle.

Thermometer DKR maximum is designed to indicate maximum temperature. Thermometer DKR minimum is designed to indicate minimum temperature.

Thermometer DKR must not be used as a safety element!!!

### Installation

Optional position. Install in compliance with ČSN 33 2180 and connect into electric circuit in compliance with ČSN 34 0350 by a flat conductor 2x0,50mm<sup>2</sup> with modified cable core. Terminal screws 1 and 2 shall be tightened with torque 0,4Nm.

Safety terminal connector should be connected with the safety source system by a safety conductor. Thermometer connection into the electric circuit can be performed by qualified staff only in compliance with § 6 Regulation no. 50/1978 Sb.

### Caution

When using the DKR minimum thermometer do not forget to set the adjustable needle to the bottom limit of value (-30°C, 0°C ) before long-term drop of measured temperature below set switch-on temperature (end of work, technological device switch-off etc.)

### Storing conditions

The storing room must be without chemical contamination or other factors, that could have a disruptive effect on products. The thermometers must be treated with care and no major shocks.

Packed thermometers must be stored in a dry room with max. humidity 70%

### Disposal

Disposal should be performed as follows: Hand into a recycling collection

### Possible minor failures and their elimination

Any failures of the temperature sensor must be rectified by the manufacturer only.

### Warranty

Provided, that the product has been placed and used according to the instruction manual, the manufacturer provides with warranty in compliance with a valid code, unless agreed otherwise.

The manufacturer will reject warranty repair, in case the product has been damaged:

- during transport and storage of the purchaser, or his customers,
- during installation or disassembly of device of the purchaser or his customer

### Warranty and post-warranty repairs

Warranty and post-warranty repairs are provided by the manufacturer.

Warranty claim of a faulty product should be done at the seller. The warranty claim will be accepted in case, that following requirements are met:

- submitted warranty list of the given product,
- paid invoice of the product,
- the conditions and requirements of operating manual were met.

## TECHNICAL PARAMETERS

Measure range	Scale range	Grading	Stem length ... L [ mm ]			
			ø d = 8 mm (stainless steel (AKVS))			
			100	160	250	400
-20 až +40 °C	- 30 až +50 °C	1 °C	x	x	x	x
+20 až +100 °C	0 až +120 °C	1 °C	x	x	x	x
+20 až +180 °C	0 až +200 °C	2 °C	x	x	x	x
+50 až +300 °C	0 až +350 °C	5 °C	x	x	x	x