

Not
temperature
compensated**Electro-mechanical temperature
control for exhaust pipes****RAK782.4/...**

in protective housing, for the change-over of sources of energy

**Registered under DM/066 622****Electro-mechanical temperature control acc. EN 14597****Application**

For the use in heat generator plants with multiple heat generators for the change over from solid fuel to oil- or gas boilers. The device is mounted on a immersion tube.

Features

- If nominal value is reached, the change-over switch is activated
- With compensation of ambient temperature at switching head and capillary (KTK)
- Single-pole micro switch with change-over switch
- Time factor of sensing element acc. EN 14597
- Operation: Type 2 B, EN 14597

Type summary

Type	Order-no.	Range [°C]	Immersion length
RAK782.4/0051M	011-4440.10	40...160	150mm

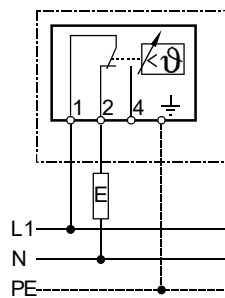
Technical data

Switching system	Switching capacity acc. VDE 0631 - Nominal voltage range - Nominal current range I (I _M) Service live at nominal load Protection class Protection mode of housing	40...250 V~ 0.5...16(2.6) A min. 100'000 operation I acc. VDE 0631 IP66 acc. EN 60529
Application range	Adjustable cut-off temperature ϑ_{off} Thermal switching differential Ambient temperature on housing Max. sensing element temperature Ambient temperature for storage and transport	40...160 °C approx. 11 K ± 5.5 K max. 70 °C (T70) 750 °C 0...+75 °C
Calibration	Calibration tolerance Calibrated for ambient temperature on switching head and capillary Time factor in water / in oil	± 20 K 23 ± 2 °C (Tu23 acc. EN 14597) <45 s / <60 s
Specification	Switching head support (basic insulation) Capillary Sensing element Diaphragm Housing socket Housing cover Immersion length R of immersion tube Electrical connection Earth connection Cable bushing Weight without packaging and immersion tube	ceramic stainless steel stainless steel stainless steel Polyamide reinforced (PA), temperature stability up to 120 °C Polycarbonate (PC), temperature stability up to 120 °C 150 mm screw terminals screw terminals M20 approx. 255 gr.

Fitting notes

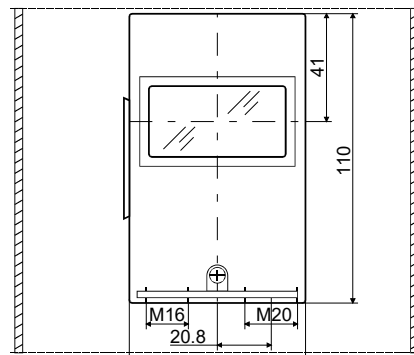
See the mounting instructions inside the package.

Wiring diagram

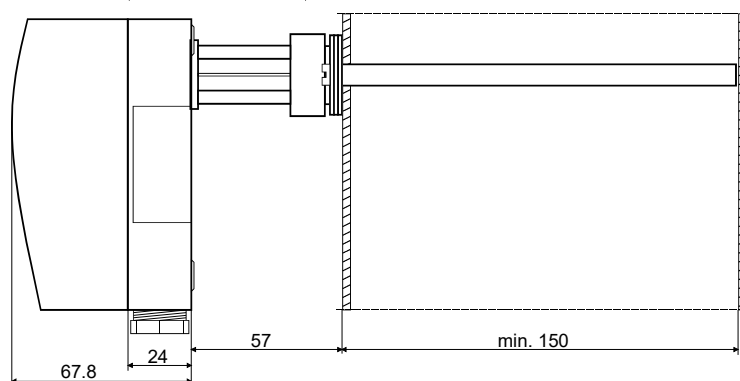


Dimensions/Mounting

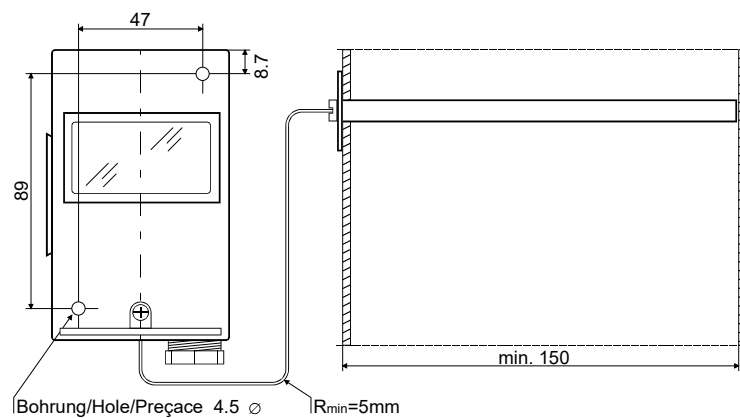
- on immersion tube with distance piece (standard execution)



Socket	005-1054
Cover	005-0551.3
Bracket, bent	005-0412



- direct wall mounting



- on bracket (accessory)

