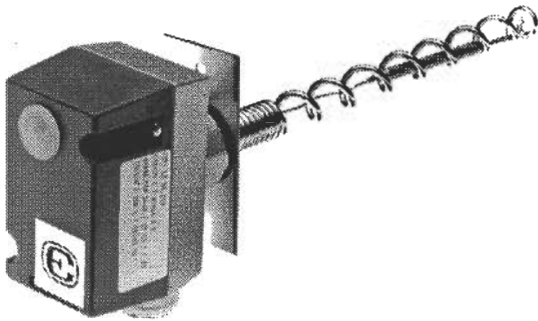




ENGELS - ELECTRIC AIR HEATERS
Engelcontrol®
Temperature Monitoring and Limiting

Engelcontrol®
Safety Temperature
Limiter
Type ZB 123



Technical data

Dimensions: as in illus.
 Voltage: 230 V
 Breaking capacity: max. 10A (5A)

Temperature range: pre-set to 373 K (+100 °C)
 TÜV-tested acc. to DIN 3440
 R.-B. no. TR/STB 91391

Switch differential: minus 9K
 Re-setting: Release only after removal of cover
 Switch elements: micro-switch as single-pole change-over
 switch, terminals 1+2 break contact
 with increasing temperature
 Terminals 1+3 make contact
 with increasing temperature

Sensor length: 200 mm protective coil
 Protective system: IP 43 with plug-in nipple
 IP 54 only available as optional
 equipment (extra charge).

Design:

Fluid system with capillary tube, with small switch differential and low-time constants.
 Macrolon plastic housing and plastic cover.
 Design acc. to VDE 0631 DIN 57631
 Ambient temperature at switch button approx. max. 353K (+80 °C).
 Installation can proceed independently of position.
 The sensor temperature must not exceed the scale value + 15%.

Note:

The unit has a switch-on lock and can only be released at the inside re-switch button (red), e.g. after removal of the cover.
 Should functional check be necessary, always note the max. permissible sensor temperature.
 When installing unit, our heater type E-HR 6 with TW-ZB01 should be used, if the STB-ZB 123 is to be directly connected to your air conditioning unit from the outside.
 Installation should be made in the vicinity of the heater (electric air heater).
 Cut-off may occur with ambient temperatures below 263 K.

Complete type designation:

STB-ZB 123/LR 80.318

