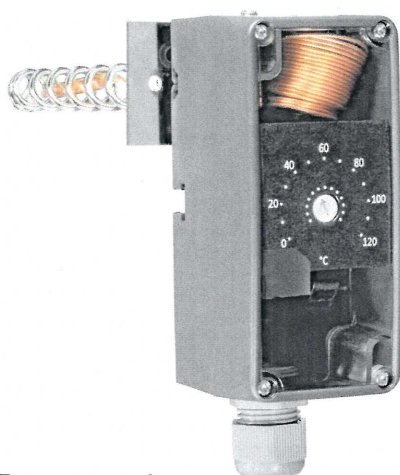


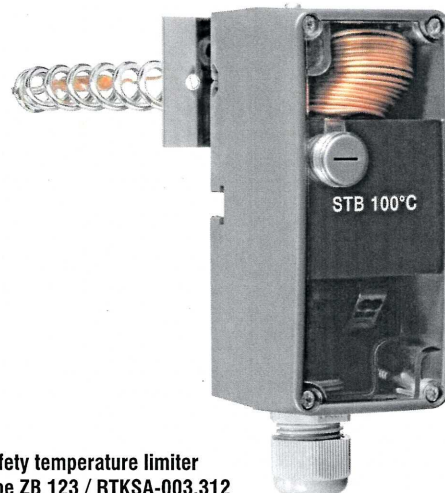
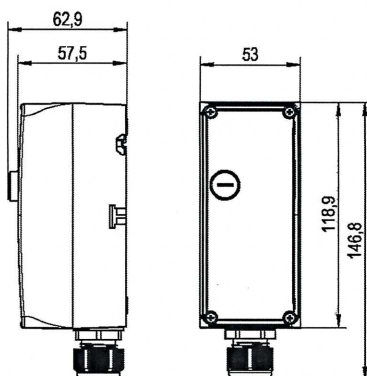
ENGELS - ELECTRIC-AIR HEATER

Engelcontrol®

Temperature monitoring and limitation



Temperature monitor
Type ZB 111 / RTKSA-001.301



Safety temperature limiter
Type ZB 123 / RTKSA-003.312



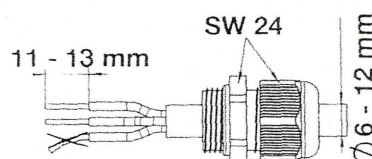
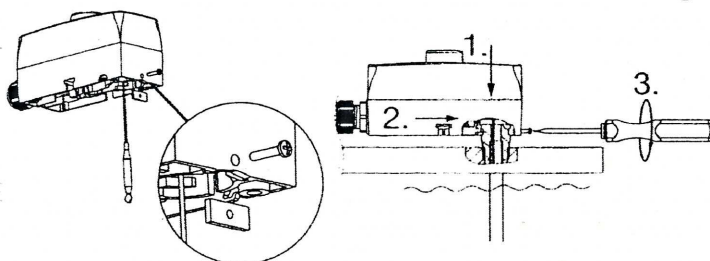
This appliance may only be installed by a qualified electrician and in accordance with the corresponding wiring diagram in the operating instructions. The existing safety regulations must be observed. Assembly/disassembly is only permitted in a de-energised state. Troubleshooting and rectification may only be carried out by a qualified electrician.



Kinking and cutting the sensor cable will lead to permanent failure of the control unit. If the measuring system breaks, liquid may escape. This is non-hazardous, non-irritating, non-hazardous to health and non-toxic.



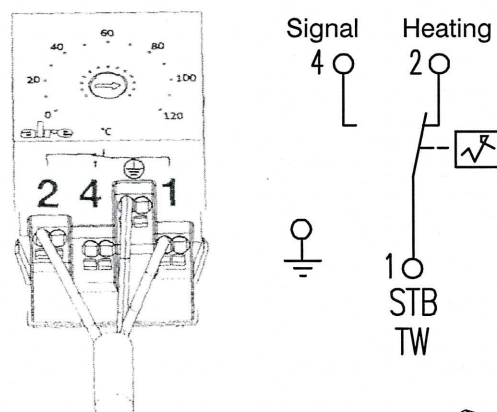
The temperature at the switch head must be at least 2K higher than the set target value. It is essential to avoid kinking the capillary tube (small bending radius), otherwise the functionality of the device cannot be guaranteed.



Technical data

Max. Switching current:	16 (2,5) A bei 230 VAC + 10%
NC contact:	0,25 A bei 230 VDC + 10%
NO contact TW:	6,3 (2,5) A bei 230 VAC + 10%
	0,25 A bei 230 VDC + 10%
NO contact STB:	2,0 (0,4) A bei 230 VAC + 10%
	0,25 A bei 230 VDC + 10%
Min. switching current:	at 24 V (AC/DC) min. 100 mA
Switching voltage:	24-230 VAC 50/60 Hz
	24-230 VDC
Rated impulse voltage:	2,5 kV
Contacts:	potential changeover switch
Electrical connection:	0,75 ... 2,5 mm ² (Push In)
Protection class:	I
Protection class:	IP54 Housing
Tripping temperature STB:	100°C (-5K)
Trigger temperature TW:	100 ... 120°C (preset to 50°C)
Max. Head temperature:	80°C)
Max. Sensor temperature:	scale value + 15%
Permissible storage temperature:	-30°C to + 80°C
Manual reset after cooling down:	by 10 - 15 K
Time constant:	approx. 120 sec. In air
Probe and capillary material:	Cu
Shoulder coil:	length 200 mm
Protective coil material:	nickel-plated steel
Type examination:	according to DIN EN 14597
Safety and EMC:	according to DIN EN 80730 (VDE 0631)

At ambient temperatures below 238 K - 233 K, a switch-off may occur.



Anschluss lösen
Release connection
Desserrer la connexion
Staccare il collegamento
Poluzować złącze

