

Frost protection thermostat Model A2G-65

WIKA data sheet TE 62.92

Applications

For air-side temperature monitoring and prevention of frost damage to water/air heating coils in ventilation and air-conditioning systems

Special features

- Simple mounting
- Compact and heavy-duty version
- High reproducibility
- Integrated switching output
- With automatic resetting



Frost protection thermostat, model A2G-65

Description

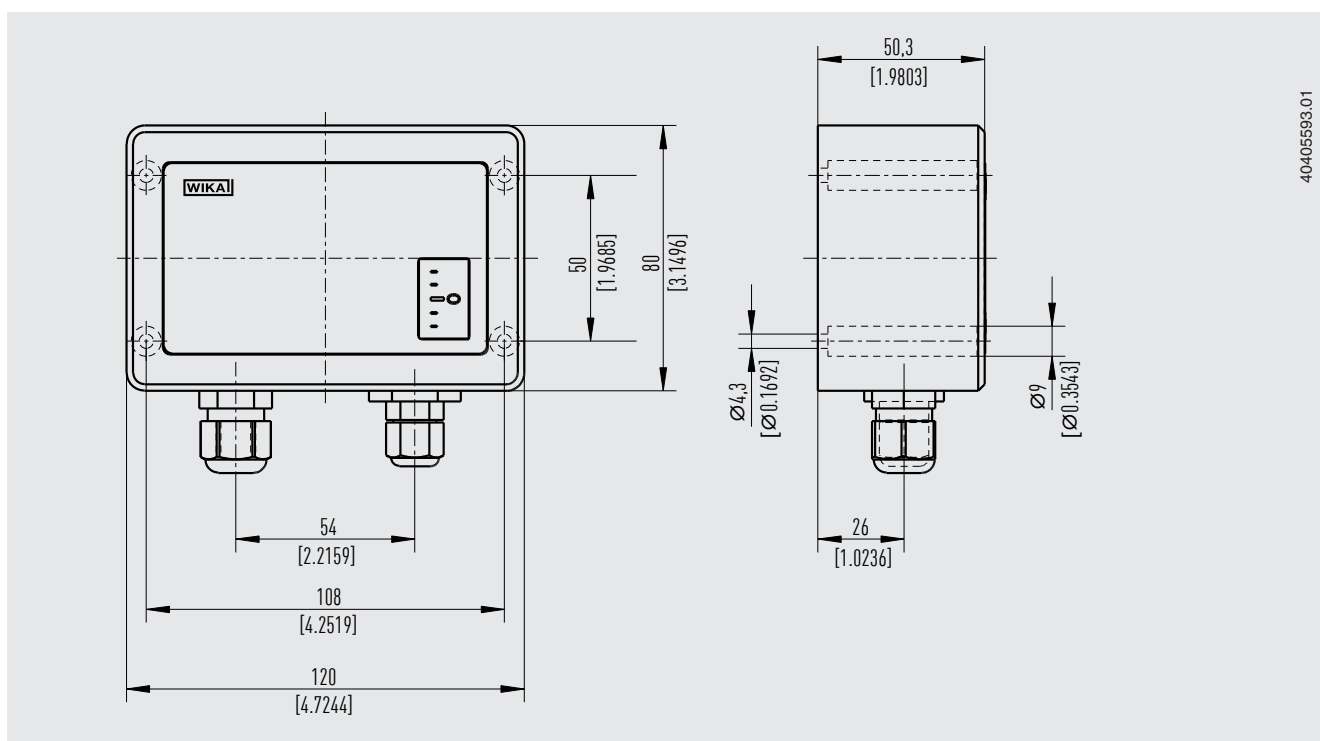
The model A2G-65 frost protection thermostat is used for monitoring the air-side temperature of water/air heating coils in ventilation and air-conditioning systems. The small temperature switch differential, the high reproducibility and the automatic resetting make this temperature switch an ideal thermostat for ventilation and air-conditioning.

The temperature-controlled switching output of the A2G-65 can trigger the following measures when the temperature drops below the selected set point (e.g. if there is a risk of frost): Ventilator OFF, external air damper CLOSED, pump ON, activation of a visible/audible warning etc.

Specifications

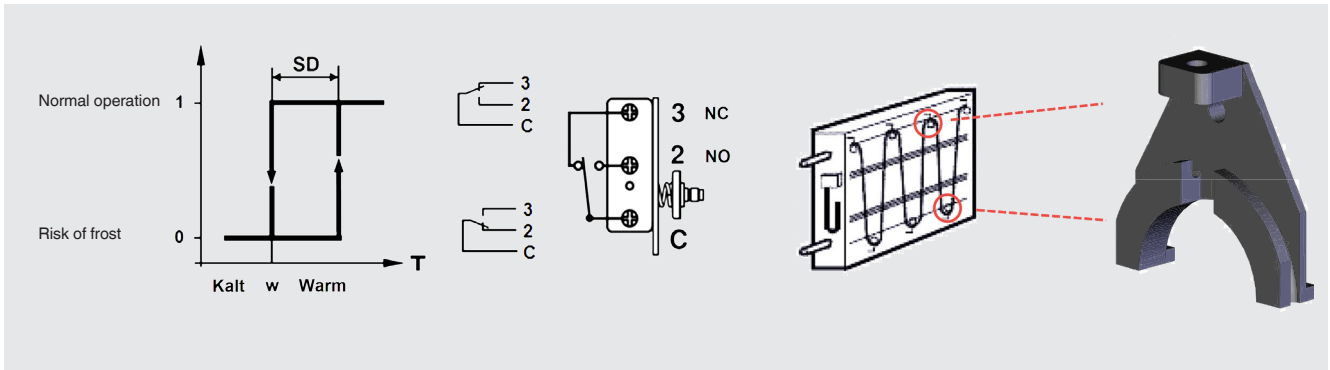
Basic information	
Setting range for set point, W	-10 ... +12 °C [14 ... 53,6 °F] (factory setting: 5 °C [41 °F])
Switch differential	2 ±1 °C [3,6 ±1,8 °F], SD
Reproducibility	±0.5 °C [±0,9 °F]
Probe response length	Approx. 600 mm [23.62 in]
Capillary tube	<ul style="list-style-type: none"> ■ Material: Copper ■ Capillary tube filling: R 507
Capillary tube length	<ul style="list-style-type: none"> ■ 1.8 m [70.86 in] ■ 3 m [118.11 in] ■ 6 m [236.22 in] ■ 12 m [472.44 in]
Switching output	<ul style="list-style-type: none"> ■ Change-over contact, max. AC 250 V, max. 10 A ■ Contact material: Ag/Ni (90 %/10 %) gold-plated 3 µm [118 µin]
Resetting	<ul style="list-style-type: none"> ■ Automatic ■ Manual
Connection terminal	Screw terminal, max. 2.5 mm ²
Cable entry	Cable gland M16 x 1.5
Case material	
Lower body	PA GK30
Cover	ABS transparent
Standard accessories	Mounting clamps, 6 pieces
Operating conditions	
Medium temperature range	<ul style="list-style-type: none"> ■ Min. operating temperature: W + min. 2 °C [3,6 °F] ■ Max. operating temperature: 70 °C [158 °F]
Ambient temperature range	-30 ... 70 °C [-22 ... 158 °F], max. 85 % r. h., non-condensing
Relative humidity, condensation	0 ... 85 % r. h., non-condensing
Ingress protection	IP65

Dimensions in mm [in]



40405593.01

Electrical connection



Approvals

Logo	Description	Region
CE	EU declaration of conformity	European Union
	EMC directive	
	RoHS conformity	
	WEEE directive	

Certificates

Certificates	
Certificates	2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)

→ For approvals and certificates, see website

Scope of delivery

- Frost protection thermostat
- Mounting material for the capillary tube

Ordering information

Model / Capillary tube length / Approvals / Certificates

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 We reserve the right to make modifications to the specifications and materials.
 In case of a different interpretation of the translated and the English data sheet, the English wording shall prevail.

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