

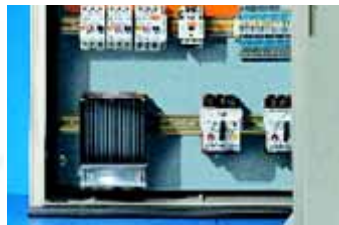
Heaters

Features



Condensation poses a particular risk for control electronics, especially with outdoor siting, but also indoors. Various different output categories ensure that the correct thermal output is always available. In this way, the total required thermal output can be distributed with complete accuracy within an enclosure.

Simple assembly and perfect control



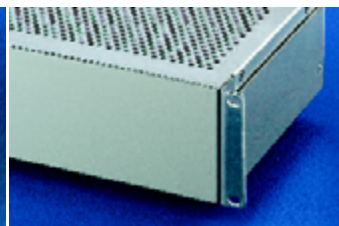
Fast assembly

This is achieved with a screw or snap fastening on the mounting plate or 35 mm EN 50 022 support rails.

No condensation, and always the right temperature

The heater is controlled as required via a hygrostat or enclosure internal thermostat.

Maximum performance in the outdoor sector



Fully wired unit ready for connection

Compact power with 1000 W thermal output.

19" rack mount

For seamless integration into the 482.6 mm (19") structure, with 3 thermal components and 3 fan units. This creates circulation, so that condensation is reliably avoided.

Benefits:

- Continuous thermal output of 10 W to 1000 W
- Self-regulating PTC technology
- Quick-assembly system

Important:

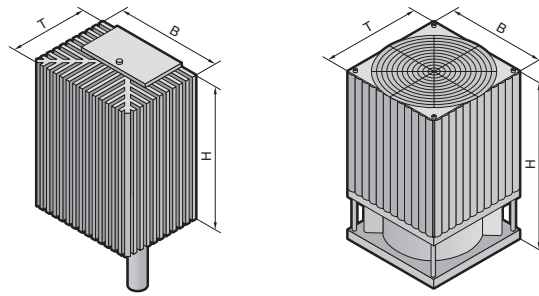
- For the correct temperature and to avoid compensation, use a thermostat or hygrostat, see page 661
- The thermal output is increased with fans

- Heaters should always be installed in an upright position. Leave a distance of 50 mm at the top and bottom to allow convection
- Heat is distributed evenly in large enclosures by using several low-output heaters

General remarks and calculation formulae can be found on our website: www.rittal.com

Enclosure heaters

Continuous thermal output 10 – 300 W



B = Width
T = Depth

Supply includes:

Unit ready to install with permanently attached connection cable (0.3 m). SK 3102.000 with fitted fan including terminal strip.

Note:

- Thermostat SK 3110.000 (see accessories) is recommended for precise temperature control in the enclosure.
- In order to prevent condensation on assemblies, hygrostat SK 3118.000 (see accessories) is recommended to regulate heating.

- In larger enclosures, even heat distribution is best achieved by installing several low-output heaters.
- Installation in the enclosure is generally advisable, even when using heat exchangers and cooling units, in order to prevent condensation.

Approvals,
see page 80.

Detailed drawing,
see page 1183.

Performance diagrams
are available on the Internet.

Model No. SK		3105.000	3106.000	3115.000	3116.000	3107.000	3107.000 + 3108.000	3102.000 (incl. fan)	
Dimensions in mm	W	45	45	64	64	80	80	120	
	H	75	125	110	185	140	178	168	
	D	35	35	45	45	118	118	120	
Rated operating voltage V, Hz		110 – 240 V AC/DC					230 V, 50/60		
Continuous thermal output at T_u = 20°C		10 W	20 W	30 W	50 W	130 W	200 W¹⁾	300 W¹⁾	
Pre-fuse T		2 A		4 A					
Accessories	Packs of							Page	
Thermostat	1	3110.000						661	
Hygrostat	1	3118.000						661	
Temperature indicator	1	3114.000						660	

¹⁾ Output with fan

Special voltages available on request. We reserve the right to make technical modifications.



Axial fan

for heater SK 3107.000

Ball bearing
Temperature range: -40°C/+85°C
Rated operating voltage:
230 V, 50/60 Hz
Power consumption: 18 watts
Noise level: 33 dB (A)
Speed: 2800/3300 rpm
Air throughput: 50 m³/h

Packs of	Model No. SK
1	3108.000

Detailed drawing,
see page 1184.

B
4.6

Enclosure heaters