



Condor Technology Ltd.

DATASHEET: ELECTRICAL SMART HEATER FOR SPACE HEATING, MODEL SM-(*)A



1 Application

Space-heaters for Hazardous locations. This compact model is designed for

- Anti-condensation
- Freeze protection
- Temperature maintenance
- Small spaces

2 Features and Advantages

- Self-limiting heating elements
- Small dimensions
- No moving parts, no maintenance required therefore long lifetime
- Suitable for T4 and T3 classifications
- Can be used for 110 to 240 VAC/DC, also available in 24V for the SM-4A

3 Description

All SMART Space-heaters are designed around self-limiting heating elements. These semiconductor elements are saving power consumption.

Our SMART Space-heaters are designed to heat the air inside an enclosure and indirectly the installed equipment. If properly selected for freeze protection, no thermostat will be needed.

When required in other applications, e.g. analyzers, it is normal practice to use our Space-Heaters in combination with our Fix-Therm96 thermostats (range from 10 °C up to 135 °C) or our FixTherm Inline Thermostat(range from 10°C up to 60°C).



Do not cover the fins to guarantee free convection.

4 Range

SM-1A	T3	ca. 115 °C Surface temperature	250-25 Watt
SM-2A	T4	ca. 105 °C Surface temperature	250-25 Watt
SM-3A	T4	ca. 90 °C Surface temperature	250-25 Watt
SM-4A	T4	ca. 70 °C Surface temperature	250-25 Watt

SM-4A also available in 24V

High power model:

SM-0AHP	T3	ca. 130 °C Surface temperature	500-50 Watt
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* these temperatures are measured at 20 °C ambient temperature.

5 Technical data

Power consumption	:	250-25 Watt or 500-50 Watt
Electrical cable	:	3 x 1 sqmm
Material cable	:	braided silicone (standard) Non-braided optional
Standard length	:	ca. 1 mtr. Other lengths optional, on request
Other lengths	:	to be specified
Overall dimensions	:	164 x 54 x 54 mm (LxWxH)
Weight	:	ca. 400 g.
Material	:	black anodized aluminium
EX protection class	:	II2G Ex d IIC T3 or T4 : II2D Ex tD A21 IP66 T 135°C or T200 °C
Certification	:	KEMA 01ATEX2124X and IECEx DEK 11.0017
Protect degree	:	IP 66
Voltage AC/DC	:	110/240
Ambient temp. range	:	- 60°C ... + 90°C

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