

Cabinet Heaters - Instruction Sheet

1. Safety Instructions



Read this instruction sheet before carrying out any work on the unit.



Only specialised personnel are allowed to install, maintain and clean the unit. Regular maintenance and cleaning intervals must be kept to in order to ensure that the unit remains in perfect working condition and has a long working life.



Danger from electrical voltage! Only specialised personnel are allowed to install, maintain and clean the unit. The personnel must ensure that for the duration of the installation, maintenance and cleaning the unit is disconnected from the electrical supply.



The outer surfaces of the heater might get warm during operation! Care is to be taken to avoid accidental personal injury. Enough time is to be allowed for the surfaces to cool down after that the power supply has been disconnected.



The personnel must ensure that while doing any work on the unit, such as installation, maintenance and cleaning, the unit is disconnected from the electrical supply.

2. Installation

The unit is to be mounted in a vertical position inside a metal enclosure that is protected from the ingress of dust, water and corrosive agents.



The unit is to be installed as low as possible in the enclosure to ensure that cooler air is sucked from the bottom while the hotter air is enthused upwards. **It is important to leave enough space between the unit and other surfaces/equipment that might be sensitive to high temperatures or that might restrict the air flow through the unit.**

3. Technical Data


Part No.	Heating Power [W]	Voltage [V]	Current [A]	Airflow [CFM]	Dimensions (HxWxD) [inch]	L [inch]
801125A33001	125	115V AC	1.2	16	5.5 x 4.0 x 4.5	5
801200A33001	200	115V AC	1.9	16	5.5 x 4.0 x 4.5	5
801400A33001	400	115V AC	3.6	26	7.5 x 4.0 x 4.5	7
801800A33001	800	115V AC	7.1	26	7.5 x 4.0 x 4.5	7
801125A44001	125	230V AC	0.7	16	5.5 x 4.0 x 4.5	5
801200A44001	200	230V AC	1.0	16	5.5 x 4.0 x 4.5	5
801400A44001	400	230V AC	1.9	26	7.5 x 4.0 x 4.5	7
801800A44001	800	230V AC	3.6	26	7.5 x 4.0 x 4.5	7
801125D22001	125	24V DC	5.3	27	5.5 x 4.0 x 4.5	5
801200D22001	200	24V DC	8.4	27	5.5 x 4.0 x 4.5	5
801125D11001	125	48V DC	2.7	27	5.5 x 4.0 x 4.5	5
801200D11001	200	48V DC	4.3	27	5.5 x 4.0 x 4.5	5

4. Electrical Connections

Read this instruction sheet before carrying out any work on the unit.

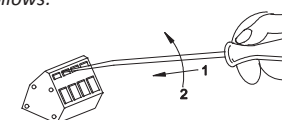
Check the unit's serial label before connecting it to the power supply to ensure that current and voltage ratings are met. Use wires rated for operation at 90°C or more to supply the unit.

The electrical connections to the terminal block are to be as follows:

VAC LIVE	1	VDC + (POSITIVE)
VAC EARTH		VDC NOT CONNECTED
VAC NEUTRAL	3	VDC - (NEGATIVE)

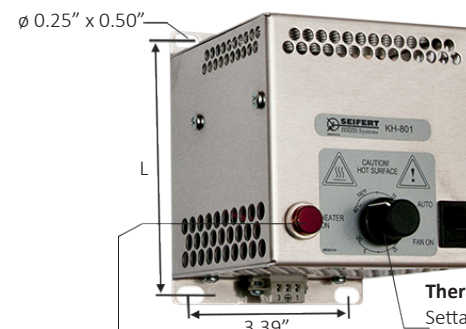
NOTE (AC variants only):

The unit does not have an ON/OFF switch. Ensure the earth wire is always connected.



5. Unit Controls

The heater element is controlled by the adjustable thermostat which will turn off the heater when the set cabinet temperature has been achieved. The heater will turn on again once the cabinet temperature falls below the set value. The indicator light will show when the heater is on/off. The operation of the fan will depend on whether the switch is set to AUTO or FAN ON modes.



Fan AUTO/ON switch:

In AUTO mode the fan runs only when the heater is on. In ON mode the fan runs continuously independent of the temperature

Thermostat Adjustment knob:

Settable range -20°C to 40°C

NOTE: Might require re-adjustments due to manufacturing variances and bi-metallic strip tolerances

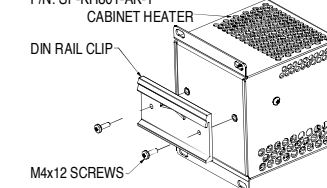
Indicator Light:

Turns on when the heater is on

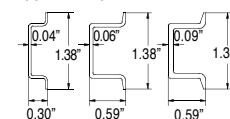
Additionally the heater element has an auto-reset over-temperature thermostat that will turn off the heater when the outlet temperature becomes excessively high as a result of a fan failure or blocked airflow.

OPTIONAL

DIN RAIL MOUNTING CLIP
PIN: SP-KH801-AK-1



SUITABLE FOR:



NOTE: UL APPROVAL APPLIES ONLY TO THE AC VARIANTS

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PR5970008011 / rev.f / 28.08.2014