

KH 801 - 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 entused 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	Dimensions (HxWxD) inch
801125A33000	125	120 V AC	1.2	15.89 cfm	5.39 x 4.09 x 4.61
801200A33000	200	120 V AC	1.9	15.89 cfm	5.39 x 4.09 x 4.61
801400A33000	400	120 V AC	3.6	25.90 cfm	7.48 x 4.09 x 4.61
801800A33000	800	120 V AC	7.1	25.90 cfm	7.48 x 4.09 x 4.61
801125A44000	125	230 V AC	0.7	15.89 cfm	5.39 x 4.09 x 4.61
801200A44000	200	230 V AC	1.0	15.89 cfm	5.39 x 4.09 x 4.61
801400A44000	400	230 V AC	1.9	25.90 cfm	7.48 x 4.09 x 4.61
801800A44000	800	230 V AC	3.6	25.90 cfm	7.48 x 4.09 x 4.61
801125D22000	125	24 V DC	5.3	15.89 cfm	5.39 x 4.09 x 4.61
801200D22000	200	24 V DC	8.4	15.89 cfm	5.39 x 4.09 x 4.61
801125D11000	125	48 V DC	2.7	15.89 cfm	5.39 x 4.09 x 4.61
801200D11000	200	48 V DC	4.3	15.89 cfm	5.39 x 4.09 x 4.61

4. Electrical Connections

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

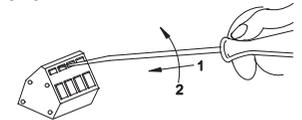
Check the unit's serial label before connecting it to the power supply to ensure that current and voltage ratings are met. Use wires rated for operation at 194°F or more to supply the unit.

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)

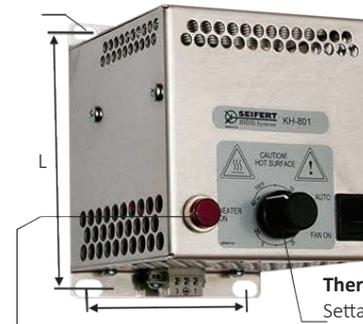
NOTE (AC variants only):

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.



Indicator Light:

Turns on when the heater is on

Thermostat Adjustment knob:

Settable range -4°F - 104°F

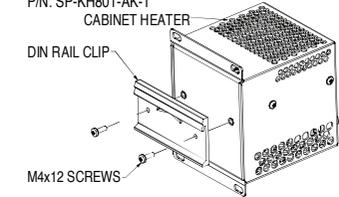
NOTE: Might require re-adjustments due to manufacturing variances and bi-metallic strip tolerances

Fan AUTO/ON switch:

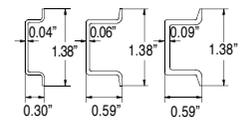
In AUTO mode the fan runs only when the heater is on. In ON mode the fan runs continuously independent of the temperature

OPTIONAL

DIN RAIL MOUNTING CLIP
P/N: SP-KH801-AK-1



SUITABLE FOR:



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.



NOTE: UL RECOGNITION APPLIES ONLY TO AC MODELS

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