

Thermostats

Will the system benefit by including a thermostat in the fan panel? Thermostat controls are available, please see the Thermostat Information detail below for further-options.



Product Description

Temperature regulators are used in control systems for the exact regulation of the air temperature. The required temperature is set with a graduated dial.

Technical Data

ADJUSTMENT RANGE:	10°C – 60°C
DIMENSIONS:	67 X 50 X 37mm
WEIGHT:	0.1KG
HOUSING:	PLASTIC UL 94 V-0
PROTECTION:	IP 30 (DIN 40050)
THERMOSTAT	37031-35

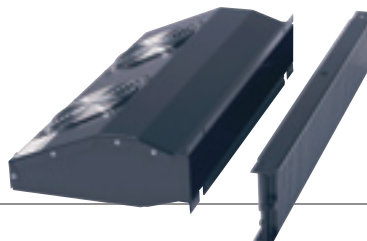
Plinth Fan Unit

Mounts in the base of Type A & B and Series 2005 racks usually at the front. For-increased airflow front and rear can be-fitted.

The unit does not encroach into the racking area and comes complete with the removeable grille trim.

Option

Filter media to fit the grille trim.



Plinth Fan Unit

TYPE	CODE
TYPE A/B WITH 19" GRILLE TRIM	03000-01
TYPE A/B WITH 650 GRILLE TRIM	03000-02
S2005 WITH 600 GRILLE TRIM	03000-03
S2005 WITH 800 GRILLE TRIM	03000-04
S2005 WITH 700 GRILLE TRIM	03000-05
FILTER MEDIA (19")	12637-01
FILTER MEDIA (650)	12637-02
FILTER MEDIA (800)	12637-03
FILTER MEDIA (600)	12637-04
FILTER MEDIA (700)	12637-07

AC Axial Fans

These fans feature:

- Aluminium die cast frame
- Thermoplastic impeller – UL rated 94VO.
- Impedance protection
- Ball bearing construction
- UL recognised
- CSA Certificated
- VDE Pending
- Includes finger guard and lead.
- Life expectancy exceeds 90,000 hours @-20°C.
- Also available in other voltages.



CODE

03013-01

AC Axial Fans

CHARACTERISTIC	VALUE
BEARING	Ball
OPERATING	185-245 VAC
NOMINAL	220/240 VAC
FREQUENCY	50/60 Hz
AIR FLOW	80/105 CFM
CURRENT	120/110 MA
POWER	20/19 W
LOCKED ROTOR	0.4/0.12 A
SPEED	2550/2900 RPM
NOISE	43/48 dBA

Thermostat Information

Adjustable Thermostat control will switch the fans on when the pre-set temperature is reached. They have a differential of approximately 8-10°C so the temperature within the cabinet must drop by this amount for the fans to switch off. Setting the Thermostat at too low a temperature setting will often result in the fans running continuously, thus negating the use of the Thermostat.

As most equipment is designed to work comfortably up to 30° or more, a setting of 25° to 30° should be considered as appropriate.

Fans = Noise. This is a fact.

Suitable Thermostats help to reduce this problem in three ways.

- They prolong the life of fans and new fans are quieter than worn old fans
- Fans are often only needed when the equipment is running and the building air conditioning is shut down (e.g. weekends, nights etc)
- When the fans reduce the cabinet temperature and shut down on a 50% cycle and in an air conditioned building this is achievable. Then for 50% of the time there is no fan noise. This has a significant effect on the work environment surrounding the cabinet.

Fan noise level is usually about 45dB, ours included. This does not however mean every time an additional fan is added the noise level will increase by 45dB nor every time the number of fans is reduced the noise will drop by that amount. What it does mean is that there will be a small (about 5dB) adjustment only.

There are methods of reducing this noise level. However they usually depend on reducing the speed of the fan, with a consequential reduction in airflow, this may be an acceptable option. Please discuss your particular requirements with a member of our Sales Team.