

THERMAL MANAGEMENT PRODUCTS

A man in a white shirt is shown from the side, working on a server rack in a data center. He is holding a small component, possibly a fan or filter, and is about to install it into the rack. The background is filled with server racks and blue lighting.

CoolTechX:

- Panel Air Conditioners

Linkwell Electric:

- Enclosure Heaters
- Intake Airflow Filter Fans



INTRODUCTION

Since our inception over 30 years ago, we at MCG have built our reputation on providing a wide range of high quality industrial products. Products designed to satisfy the demands of specifiers, wholesalers, contractors and end users throughout the domestic, industrial and commercial markets.

MCG Industrial has established a strong presence in the UK and Ireland, Canada and the USA. Our aim is to capitalise on this strong trading position by focusing on key strategies, increasing our market share and expanding our range of industrial products. By utilising our expertise and delivering innovative and integrated solutions, we aim to fully meet the challenges set by our customers and deliver our objectives.

We carry a comprehensive range of almost 4,000 industrial products lines, all available in stock at our 60,000 square foot distribution and technical centre in Doncaster, South Yorkshire. This range is backed up by our unrivalled level of technical expertise and knowledge.



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LINKWELL

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PANEL AIR CONDITIONING

Panel Air Conditioners for Electrical Panels Precision Cooling for critical electrical equipment

COOLTECH

In environments where ambient temperatures are high or heat loads within electrical enclosures exceed the capability of standard ventilation systems, panel air conditioning units provide a reliable and controlled cooling solution. Designed specifically for electrical cabinets and control panels, these units maintain a stable internal temperature, protecting sensitive equipment from overheating and ensuring continuous operation.

Features:

- 230V AC
- 500 or 1060W Options
- Panel mounted (side or door) - for straightforward retrofit applications
- Closed loop cabinet cooling - keeps dust and humidity out of the cabinet

Applications:

- Industrial control and automation cabinets
- Drives, PLC and VFC Inverter cabinets
- Electrical distribution panels and boxes
- Machine tool and packaging equipment panels

Code	Ref No.	Volts / Watts	Air Flow
2908-5874	CTACG0526N	230V AC - 500W	180m³/h
2908-5877	CTACG1026N	230V AC - 1060W	310m³/h

Unlike fan-and-filter systems that rely on ambient air, panel air conditioners operate using a closed-loop cooling system. This prevents dust, moisture, oil mist, and airborne contaminants from entering the enclosure while delivering precise temperature control for critical electrical and electronic components.



CTACG0526N



ENCLOSURE HEATERS

Enclosure Heaters for Electrical Panels

Preventing condensation and protecting critical equipment



While cooling solutions are essential in high-temperature environments, many electrical panels face an equally significant threat: condensation. In colder conditions or areas with fluctuating temperatures, moisture can form inside electrical enclosures, leading to corrosion, insulation breakdown, short circuits, and equipment failure. Panel heaters are specifically designed to prevent these issues by maintaining a stable internal temperature and keeping the enclosure environment above the dew point.

Features:

- Protects against moisture-related failures and corrosion.
- Maintains stable environmental conditions within the enclosure.
- Reduces deterioration of electrical and electronic components.
- Minimises the risk of short circuits and insulation damage.
- Thermostat and hygrostat control options optimise power consumption.
- Robust construction for long-term, reliable performance.

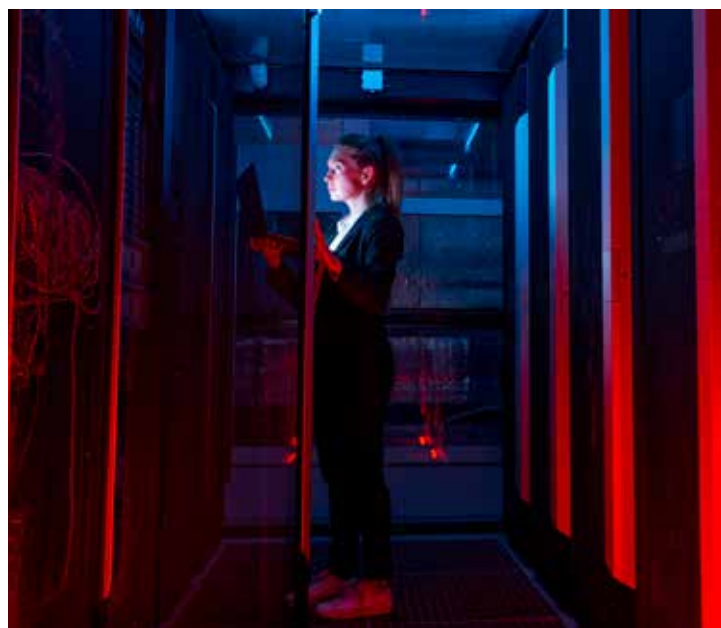
Code	Ref No.	Voltage	Wattage
ENCLOSURE HEATER			
2908-5892	LK140-15W	120-250Vacdc	15W
2908-5895	LK140-30W	120-250Vacdc	30W
2908-5898	LK140-45W	120-250Vacdc	45W
2908-5901	LK140-60W	120-250Vacdc	60W
2908-5904	LK140-75W	120-250Vacdc	75W
2908-5886	LK140-100W	120-250Vacdc	100W
2908-5889	LK140-150W	120-250Vacdc	150W
THERMOSTATS			
2908-5880	KNC011	1NC 0-60°C	
2908-5883	KNO011	1NO 0-60°C	
2908-5961	ZR011	(DUAL) 1NC + 1NO 0-60°C	



LK140-15W



LK140-150W



KNC011

ZR011

KNO011

INTAKE AIRFLOW FILTER FANS

Intake Airflow Filter Fans for Electrical Panels

Optimising cooling, reliability and performance



Electrical panels generate heat during normal operation, and excessive temperatures can reduce equipment efficiency, shorten component lifespan, and increase the risk of unplanned downtime. Intake airflow fans provide a simple and effective solution by drawing clean, filtered air into the enclosure, helping to maintain a stable internal temperature and ensuring reliable operation of critical electrical and electronic components.

Designed for industrial, commercial, and infrastructure applications, intake airflow fans improve air circulation within electrical cabinets, control panels, and switchgear enclosures. By continuously supplying fresh air and removing heat build-up, they help protect sensitive equipment such as drives, PLCs, power

Features:

- Filtered intake supports positive pressure for dusty environments and helps reduce contamination
- Run LED provides visual confirmation the fan is operating
- Hinged filter front enables fast filter mat replacement without tools

Code	Ref No.	Volts / Watts	Air Flow
THERMOPLASTIC - METAL FAN			
2908-5928	LK3240-M.115	115V AC	230-265m³/h
2908-5931	LK3240-M.230	230V AC	230-265m³/h
THERMOPLASTIC - PLASTIC FAN			
2908-5907	LK3237.024	24V DC	35m³/h
2908-5913	LK3238.115	115V AC	65-85m³/h
2908-5934	LK3240-P.115	115V AC	220-240m³/h
2908-5943	LK3243.115	115V AC	1150-1350m³/h (Top Panel)
2908-5955	LK3245.115	115V AC	1150-1350m³/h (Bottom / Side Panel)
2908-5937	LK3240-P.230	230V AC	220-240m³/h
2908-5952	LK3244.230	230V AC	580-700m³/h
2908-5946	LK3243.230	230V AC	1150-1350m³/h (Top Panel)
2908-5958	LK3245.230	230V AC	1150-1350m³/h (Bottom / Side Panel)
Code	Ref No.	Description	
EXIT FILTER GRILL C/W MAT			
2908-5910	LK3237.300	Exit Filter with Mat for LK3237	
2908-5919	LK3238.300	Exit Filter with Mat for LK3238	
2908-5925	LK3239.300	Exit Filter with Mat for LK3239	
2908-5940	LK3240.300	Exit Filter with Mat for LK3240	
2908 -5949	LK3243.300	Exit Filter with Mat for LK3243, LK3244, LK3245	



LK3240-M.115



LK3245.115



LK3237.300



LK3243.300

NOTES



Unit 1, Railway Court, Ten Pound Walk, Doncaster, South Yorkshire, DN4 5FB

Tel: +44 [0]1302 342 642

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