

***PM-ic the Intelligent answer***



## ***PM-ic Power Monitors***

***GAS SUPPLY CONTROL STATION  
with  
Fan Power Ventilation Inter-lock***

***For Models: PM-1P-10-3ic / PM-1P-10-4ic***

**OPERATOR'S MANUAL**

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## **Product Overview**

The **PM-ic** Fan power monitor unit is part of a range of products and ancillary equipment designed to meet the ever changing requirements of the catering industry and associated regulations.

The system comes in a number of models for you to select which are based on our patented system.

**PM-ic Power Monitor**      Three / Four channel unit *with over & under current monitoring*

The controller has been designed to make for easy system usage.

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### **1.01 How does my PM-ic unit work?**

Your PM-ic unit is designed to ensure that your kitchen ventilation system is operational and maintaining the design air flow rates before your gas supply is enabled to your cooking appliances.

The PM-ic unit is operated via an easy wipe clean facia with clear high bright LED indicator arrangement.

### **1.02 How do I start my PM-ic unit?**

First start your kitchen canopy ventilation system.

Push the system set/reset button and release and the PM-ic unit will carry out a number of system checks. If all checks are clear the "gas valve output" LED will switch on and open the gas supply to your cooking appliances.

### **1.03 How do I stop my PM-ic unit?**

Switch off your kitchen canopy ventilation system and the "gas valve output" LED will switch off and the gas valve will close, isolating the gas supply to your appliances.

**NOTE:** Always ensure that all appliances have been switched off and taps closed.

### **1.04 What do I do if my PM-ic unit does not operate?**

If after the system set/reset button has been pressed and your gas valve output light does not come on, the gas valve fails to open check the following :

- 1 Ensure that your kitchen canopy ventilation system is operational.
- 2 If not have your supply to the unit checked by an electrician.
- 3 Ensure you have power to the unit; is the power on lamp lit?
- 4 Check that the SYSTEM STOP button on the front of the panels has not been pressed.
- 5 Check that either the fire alarm or remote knock-off push buttons have not been activated, if fitted.

If the steps above do not solve your problem, refer to section 1.06 of this manual for further instructions.

### **1.05 Do I have any form of override?**

The PM-ic unit has no means of system override.

**ANY FORM OF OVERRIDE IS NOT PERMITTED UNDER THE CURRENT REGULATIONS**

## **1.06 Fault finding**

In the event that your PM-ic unit is not operational, the following has been designed to help you identify your problem and offer a course of action for you to take.

**Fault finding** Only to be carried out by a qualified engineer

<b>Fault</b>		<b>Possible cause</b>	<b>Action</b>
No Power On LED	a.	No power to the unit	Check power supply to unit, mains cables and terminals.
	b.	Primary transformer fuse "blown"	Remove cover and check if "blown". If yes, check for any signs of a wiring fault and rectify before replacing with a new fuse.
	c.	None of the above	Call for further assistance
Gas valve output lamp is not lit and gas valve is closed	a.	Fans are not running	Check that the fans are running correctly
	b.	Fans are running but unit not set correctly	Check that the respective channel lamps are on. Contact an electrician to carry out commissioning procedure.
	c.	User definable input operated	Check if remote knock-off and fire alarm inputs and any other remote circuits have been activated
	d.	Emergency Gas Shut off push button on the front of the unit has been pressed	Twist and reset
Gas valve output lamp is on and gas valve is closed	a.	No power to gas valve	Check in / out terminals to see if 240Vac is present and check cables to gas valve.
	b.	Gas valve not operational	Check if 240Vac is present at gas valve terminals. If yes replace gas valve.
Gas valve open but no gas at appliance	a.	Gas supply has been isolated or is blocked	Check gas supply
	b.	No gas pressure	Check gas supply
Channel lamp not on	a.	Fans are not running	Check that the fans are running correctly
	b.	Fans are running but unit not set correctly	Check that the respective channel lamps are on. Action as detailed in set-up instructions

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FOR FURTHER TECHNICAL ASSISTANCE, PLEASE CONTACT US BY

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- Note:
- i) Ensure that the electrical installation has been installed in accordance with the current edition of the IEE regulations.
  - ii) Ensure that the gas installation has been installed in accordance with the current gas regulations and GAS SAFE guide-lines.
  - iii) Ensure that the ventilation and extract system has been set to the correct air flow design levels in accordance with the current regulations.
  - iv) If in doubt, ask! (Contact us on or by any of the above).
  - v) Ensure that the client has been shown how to operate the system and that they have been handed the Operators Manual.



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