



FAN CURRENT MONITOR 3 CHANNEL

| KEY FEATURES |

- Can be powered from any of the Flamefast LCD range of panels
- Traffic light status indication for each channel
- Can be used with 3 phase fans

Dimensions

Height	180mm
Width	130mm
Depth	77mm

Technical Specification

Power Supply	24V DC \pm 10%
Power Consumption	40mA
Fan Current Range	0.25A to 15A
VFC Output	SPST - 1A @ 24V Max
IP Rating	IP65 (Providing rear entry sealed)
Housing Material	PC
Approval	CE, UKCA

Part Numbers & Options/Accessories

Part No	Description
FCMON	Fan Current Monitor (3 Channel)

| OVERVIEW |

This three channel current monitor can be used to provide a BS6173:2009 and IGEM/UP/19 compliant interlock when interfaced with any GasGuard system. By measuring absorbed power the fan current monitor can determine whether the fan is operating correctly.

The fan current monitor can be used to monitor up to three single phase fans or one three phase fan, and the common VFC output makes interfacing with GasGuard systems simple.

ONLY COMPATIBLE WITH FLAMEFAST LCD RANGE

LED Channel Indication

Green	Current within range
Red	Current out of range
Amber	Channel Disabled

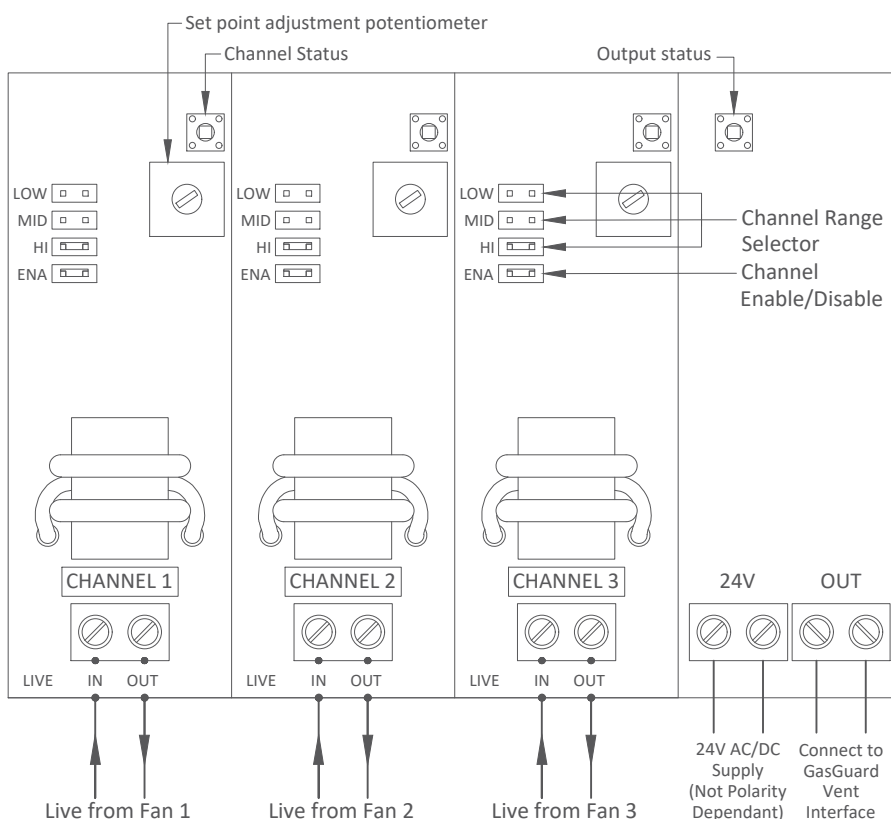
(When all active channels are within range the relay output will give a closed position at which point the output status LED will be green).

Current Range

LOW	0.25A - 4.00A
MID	1.50A - 8.00A
HI	4.00A - 15.00A

Operation & Commissioning

1. All channels are enabled as default; disable any that are not being used by removing the 'ENA' jumper for that channel.
2. Set the range for each channel by moving the range selection jumper to either 'LOW', 'MID' or 'HI' ensuring that the fans maximum is below the upper limit of the range.
3. Turn all potentiometers fully clockwise.
4. Switch the Fan on - if a Speed controller is fitted, turn this to the minimum setting that ensures the ventilation system is achieving the required rates and leave for 30 seconds to allow the current to stabilise.
5. Adjust the potentiometer for each channel until the LED is just green (not flickering).
6. The relay output will not give a healthy condition until all enabled channels are showing green.



Max Cable
Size
2.5mm²

Supplies can be from up to 3 No. Single Phase Fans or 1 No. Three Phase Fan. This must be installed **BEFORE** any speed controller or inverter. The Maximum current per channel is not to exceed 15amps.