

100 CS Gas Ventilation Interlock System



I am the installation instructions for a gas *safety system*, please read me before you have a go. The product I support is virtually indestructible but I have no doubt someone will try!!

Intelligas takes every care in ensuring these products reach you in perfect working order. Each system is tested on dispatch and site induced damage *is* easily detectable.

Ensure the operation of this unit is explained fully to the kitchen staff.

24 hour Technical Support 0845 004 2496

Siting the panel

Firstly choose a suitable mounting position for the control unit, mount the unit away from sources of extreme heat, ensure the panel is placed in a position where mechanical damage is unlikely and where it can be easily accessed for use and maintenance.

Fix the panel using the marked enclosure holes only, take care not to damage the internal wiring or PCB of the unit when drilling.

Field wiring

Output terminals to the gas valve carry mains voltage (230v ac nominal). APS, fire & Estop wiring is 24v DC. The current sensors are designed to monitor “clean” supplies only. Contact technical if inverter drives are to be used in the monitored circuits.

The current edition of the IEE Wiring Regulations should be strictly adhered to, wiring and connections should be made by a suitably qualified electrician or competent person.

Intelligas recommends the use of FP200 or similar type of wiring for the fixed wiring installation. Please follow the first fix wiring schedule set out below:

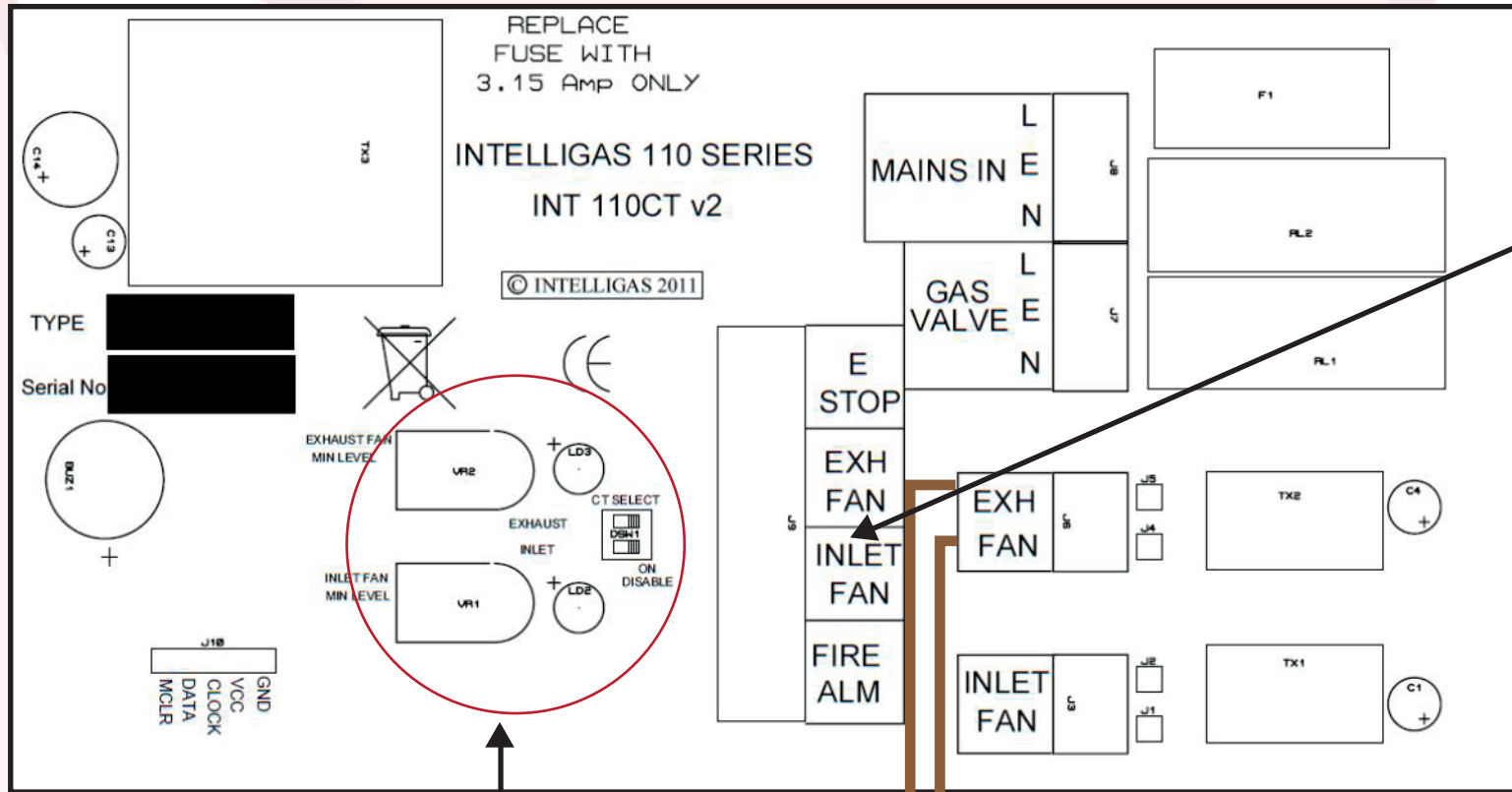
- 1) Gas valve 2 core + E 1.5mm
- 2) Emergency stops 2 core + E 1.5mm
- 3) Pressure switches 2 core + E 1.5mm
- 4) Fire alarm interlock (if req) 2 core + E 1.5mm
- 5) Main supply 2 core + E 1.5mm

The mains supply should be 230v 1 phase, fed via a fused DP connection switch fused at 5 amp max.

IT IS PREFERABLE FOR ALL SUPPLIES ENTERING THE ENCLOSURE TO BE DERIVED FROM THE SAME PHASE. IF THIS IS NOT POSSIBLE THE UNIT SHOULD BE MARKED WITH APPROPRIATE WARNINGS.

UNDER NO CIRCUMSTANCES SHOULD TERMINATIONS BE MADE OR DISCONNECTED WHILE POWER IS APPLIED TO THE UNIT.

Intelligas 100 CS Installation Wiring Sheet



These terminals may still be used to connect fan pressure switches if required.

We recommend installing an isolation spur for each component of the installation, i.e. one for the Intelligas system and one for each fan installed.

Set the fan current levels using the pots on the PCB for each fan. Once the setting is in range then the green LED will illuminate.

EG If only one fan is being used then the other current sensor must be disabled by turning the unused current sensor to "on" using the dip switch on the PCB

Repeat this wiring configuration for both supply and extract fans (if both are to be current monitored).

