

The FX38DBx is an electronic ignition Full Sequence Controller for safely controlling two gas burners simultaneously on gas burning appliances using only one set of gas valves. It provides two ionisation flame detection probes, one for each burner, and ensures that safe combustion of both burners at all times is maintained.

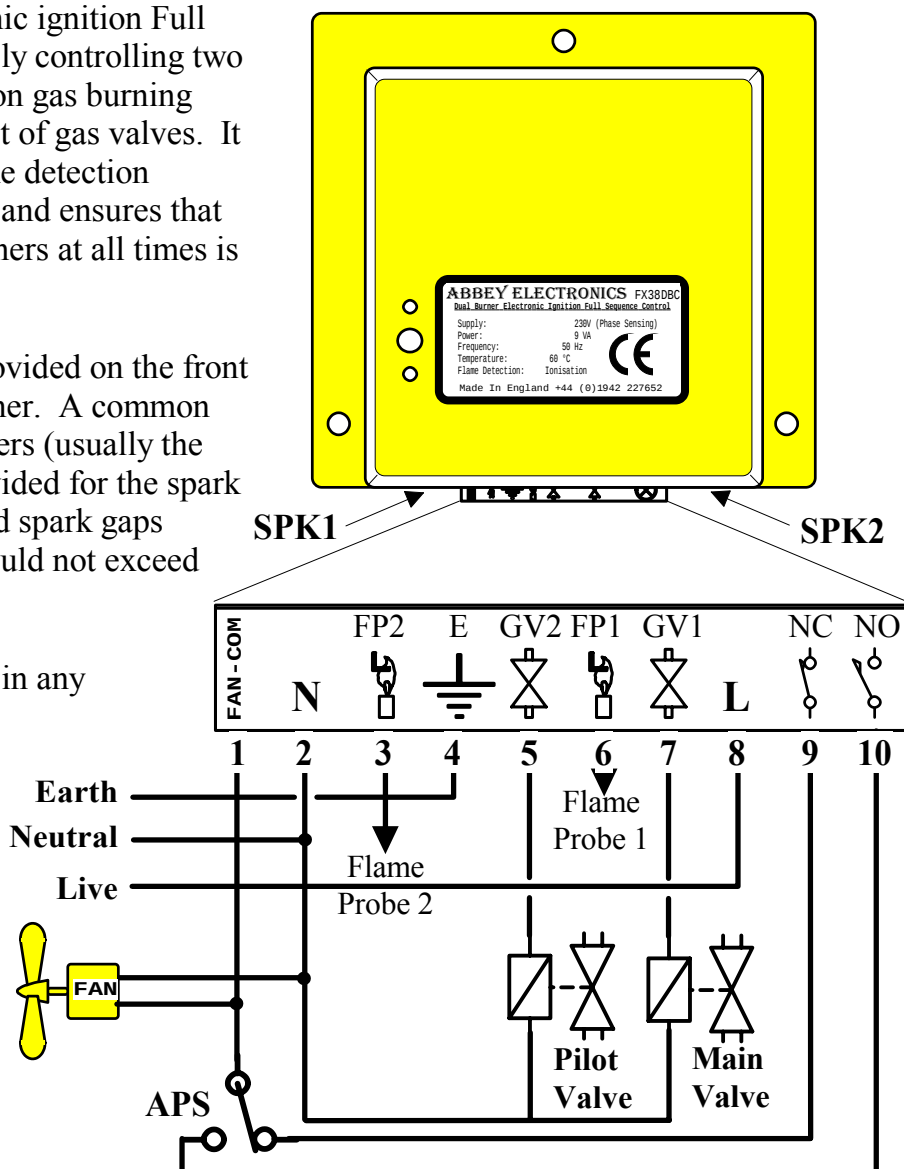
Two spark electrodes are provided on the front of the unit, one for each burner. A common return between the two burners (usually the earthed chasis) must be provided for the spark to function and the combined spark gaps between the two burners should not exceed 7mm.

The control can be mounted in any orientation.

Prepurge Options:-

A = 10s; B = 15s;

C = 30s ; D = 45s



Connection to the FX38 is via a detachable 10-Way screw terminal connector obtainable from Abbey Electronics. The board should be wired as shown above.

The recommended spark gap on each spark electrode is 3mm with a maximum e.h.t. lead length not exceeding 2m in total. Total maximum loads on the fan and gas valve outputs should be no more than 1A. If higher loads are required external relays or contactors should be used.

The FX38 can still be used to control a single burner provided SPK1 is grounded and FP1 and FP2 are connected together onto one flame electrode.

The OEM should observe all the normal rules and regulations governing electrical wiring and safety.

DRG NO	FX38WDG	ISS -	X	1	ALL RESISTORS 0 25W 5%
			P		ALL ZENERS 0 5W
TITLE	WIRING DIAGRAM FOR FX38DBC				ALL DIMENSIONS IN mm
DATE -	X	04/10/99	MATL	NOT APPLICABLE	DIM'S TO 1DP= ±0 1 mm
04/10/99	P				DIM'S TO 2DP= ±0 02 mm
DESIGNER	M. Elliott		DRAWN	M. Elliott	ANGLES TO ±0 5°
CHECKED -			SCALE	NOT SCALED	SCALE = 100%
APPROVED -					UNLESS STATED OTHERWISE

