EU Declaration of Conformity

Guarantee of Product Quality

Type samples of the product detailed below, have been tested and examined by BSi, notified body number 0086, and found to comply with the essential requirements of annex 1 of the European Gas Appliance Directive (G.A.D.) Document: (2009/142/EC) up to 21st April 2018, then the Gas Appliances Regulation (EU) 2016/426 thereafter.

This product has been designed using processes in accordance with: BS EN ISO 9001 and is manufactured as Type-approved above, in accordance with: BS EN ISO 9001 attestation procedures, which complies with the UK. Gas Appliance (Safety) Regulations 1995 1629.

Conformity with the BS EN ISO 9001 Quality System Surveillance requirements, as specified in Annex 2 / part 3.3 of the above G.A.D. and Annex 3 / part 3.3 of the above G.A.R, is assured by BSi, notified body number 0086.

Approval Information

Pactrol Controls declare that the DoC is issued under our sole responsibility and belongs to the following product covered by this certificate:

Product:	CSS2 PRTV 230 429103/V01
GAD Certificate No.:	CE 620691
GAR Certificate No.:	CE 686496
Harmonised Standards:	EN298: 2012

OEM's and Appliance Designers

For correct Application and Installation instructions for the above control, refer to Pactrol Technical Sheet No: 429100/II available from the address below.

Spares and Replacement Parts

Where this fitting is used as a replacement spare part for a gas appliance, it must be installed in accordance with the servicing instructions issued by the appliance manufacturer.
Read the instructions before use. This control must be installed in accordance with the rules in force.

Signed on behalf of
Pactrol Controls Ltd.
Unit 3 Antler Court,
Three Sisters Enterprise Park
Ashton in Makerfield,
Wigan. WN4 8DU.
England.
Telephone: +44(0)1942429240
Fax No.: +44(0)1942529241

L.Washbourn
R&D Manager

Ref: 429103/V01/FC

Issue: 5

Iss. Date: 06/03/2018

Technical Specification

Supply Voltage:	230 Vac
Supply Frequency:	50/60 Hz
Phase Relationship:	Phase sensitive (Neutral/Earth relationship required)
Internal Fuse:	2AF HBC
Power Consumption:	<25W (electronics only)
Protection degree:	IP40
Ambient temperature range:	-10° to +60°C
Mounting position:	Not critical

Inputs:

Lockout reset:	230 Vac 50/60 Hz

Loads specified as 230Vac (cosφ >=0.6):

Lockout Indicator:	Max. 0.5A @ 230 Vac 50/60 Hz
Gas Valve 1:	Max. 1A @ 230 Vac 50/60 Hz
Gas Valve 2:	Max. 1A @ 230 Vac 50 Hz
Total maximum continuous load:	2A

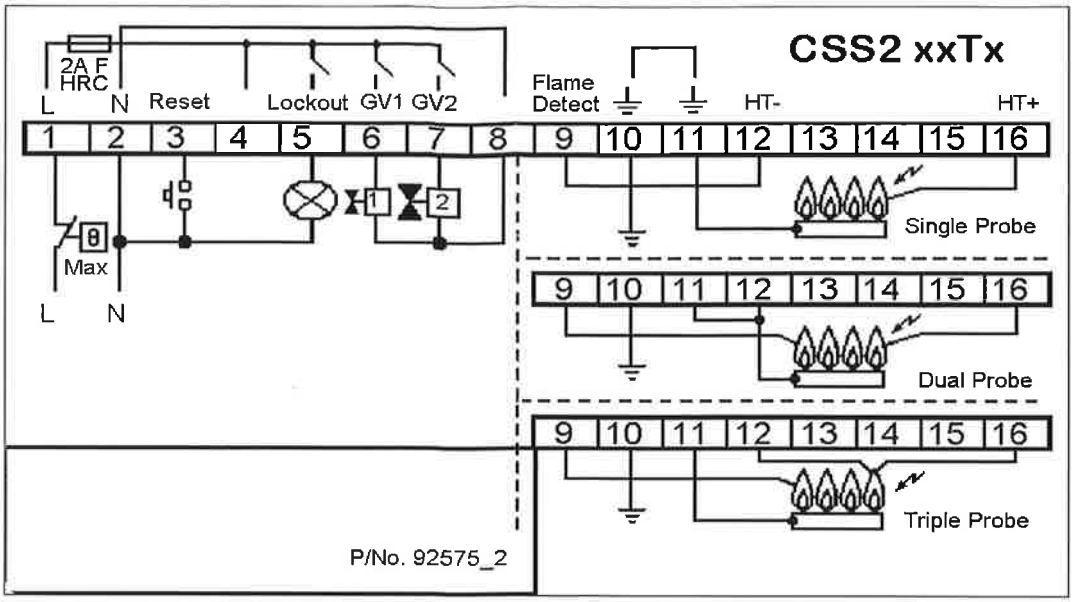
Lockout Type:	Volatile
Lockout reset response time:	1.5s
Lockout reset switch:	Momentary action normally open connecting to N

Wait time (Tw):	12s
Ignition time (Ti):	6s
Safety time 1 (Ts):	6s
Pilot proving time (Tps):	0s
Safety time 2 (Ts2):	0s
Interpurge time :	12s
Ignition attempts:	1
Ignition behaviour:	Immediate Run (Ign stops immediately upon flame detection)

Spark Voltage	>15kV @ 30pF load
Spark frequency	25.00Hz
Spark gap	2.5 - 4.5mm
Maximum length of HT leads:	1 metre (Resistive suppression 1K @ HT end of lead recommended)

Flame sensor type:	Flame ionisation rectification
Electrode configuration:	Single, Dual, Triple
Flame sensitivity:	On = 1.5µA, Off = 1.0µA
Flame detector response time:	Flame on = 1s max, Flame off = 0.5s
Max. length of detection lead:	1 metre
Action on flame loss:	Recyle

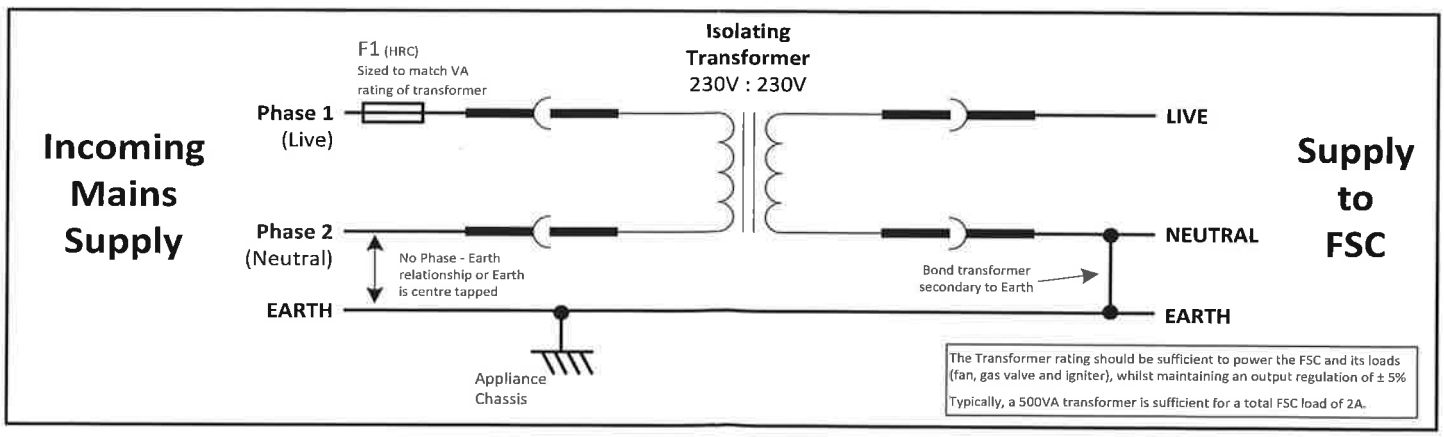
Wiring Diagram



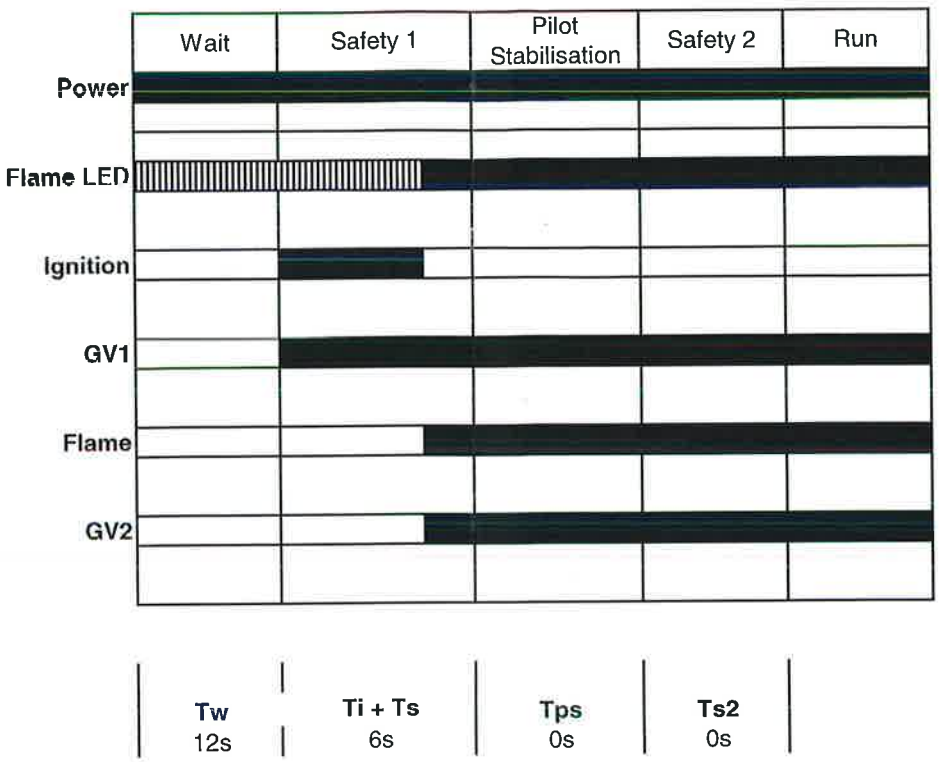
Phase to Earth Bonding

In several countries, due to poor or non-existent neutral to earth bonding, or non-standard electrical distribution systems, it is necessary to provide a reliable flame current return path for the flame detection circuit.

If the supply does not have an EARTH BONDED CONDUCTOR, or is THE EARTH IS DERIVED FROM A CENTRE TAPPING BETWEEN TWO PHASES, then the following method of connection is recommended:



Timing Diagram CSS2 PRTV 230 (429103/V01)



Tw = Wait time
Ti = Ignition time
Ts = 1st safety time
Tps = Pilot Stabilisation time
Ts2 = 2nd safety time

= flashing blue flame Led