



Number:	UKCA/0558/22/114	Replaces:	18GR0279/02
Issue Date:	29-06-2022	Contract Number:	PS7188
Due Date:	29-06-2032	Module:	B (Type Testing)
Report Number:	125052	Scope:	Gas Appliances
PIN:	0063CL1052	Page	1 of 3

UKCA TYPE EXAMINATION CERTIFICATE

Kiwa Ltd. hereby declares that the automatic burner control systems, type(s)

BIC 0.585.3xx

Manufacturer S.I.T. Controls B.V.
Hoogeveen, The Netherlands

Meet(s) the essential requirements as described in the:

Gas Appliances Regulation (Regulation (EU) 2016/426 as brought into GB law and amended), and the Gas Appliances (Enforcement) and Miscellaneous Amendment Regulations 2018 No 389, and amendments to UK SI 2019/696 Product Safety and Metrology, and subsequent amendments, The Product Safety, Metrology and Mutual Recognition Agreement (Amendment) (EU Exit) Regulations 2019 No 1246, and subsequent amendments. This certificate is not valid in Northern Ireland – and is applicable to England, Scotland and Wales only.

Reference standards: BS EN 298:2012, BS EN 14459:2007

Signed on behalf of Kiwa Ltd.
(UK Approved Body Number 0558)

Mark Crowther
Technical Director
Kiwa Ltd.

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CERTIFICATE

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Issue Date: 29-06-2022 **Contract Number:** PS7188
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APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

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Manufacturer: S.I.T. Controls B.V.

Types:

BIC 0.585.304

BIC 0.585.303

Scope:

Application: Appliances burning gaseous fuels and non-permanent operation
Flame detection: Ionisation
Applied technology: Complex electronics
Ambient temperature: 0 °C to +60 °C
Electrical supply: 93 - 253 Vac 50/60 Hz
Protection: Without enclosure and IP 00
Installation environment: Pollution degree 1, 2 or 3
Gas valve output: 230 Vac / max. 0.19 A / Power factor min. 0.61

See the installation and operating instructions for all specifications and possible options available for the above listed type(s).

Approved safety relevant functions:

Automatic burner control system:	EN 298C	Class C
Overheat cut-out by electromechanical cut-out (overheat protection) using high limit switch: *)	EN 298	Class C
Temperature control function (TCF) (overheat protection) using NTC's:*)	EN 14459, Annex K	Class C
Common flue recirculation limit function:	EN 14459	Class C

*) Approval of the electromechanical cut-out / sensing element is not included.



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Remarks/special conditions:

- It was found that under faults conditions (examination according to cl. 6.6 of EN 298:2012) the reaction time in case of flame loss can worst case become about 4.5 s. This is accepted only since the approved burner control (type BIC 0.585.3xx) performs recycling and the safety time is greater than the worst case reaction time in case of flame loss. However during the approval of the appliance the BIC 0.585.3xx is used for, this must be taken into account and be examined if this is acceptable. Due to this lengthened reaction time, spark restoration and/or a safety time less than 5 s is not allowed for any future burner control type of the BIC 0.585.3xx series.
- The in the control implemented safety measures as registered in the BIC 0.585.3xx initial report (Kiwa report no. 125052) to prevent recirculation when applied in a cascade system using common flue, have been approved as providing Class C safety level (according to EN 14459:2007, cl. 6.6.4). However besides this other appliance configurations for use in common flue systems have been implemented in the BIC 0.585.3xx as well, in which the control measures alone are not inherently providing class C safety level. Whether the overall system (control and external components, such as flue valve) provide a sufficient safety level for protection against recirculation may depend on the classification of used external components (flue valve approved and/or fail safe, etc.) and shall be verified at the end application.
- During the 750°C glow wire tests of EN 60730 any possibly flames did persist longer than 2s. Consequently this result requires a needle flame test on the materials directly surrounding the connectors CN1, 2 and 3 in its application.