



<b>Number:</b>	UKCA/0558/22/119	<b>Replaces:</b>	18GR0116/00
<b>Issue Date:</b>	13-06-2022	<b>Contract Number:</b>	PS7188
<b>Due Date:</b>	13-06-2032	<b>Module:</b>	B (Type Testing)
<b>Report Number:</b>	119954	<b>Scope:</b>	Gas Appliances
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## UKCA TYPE EXAMINATION CERTIFICATE

Kiwa Ltd. hereby declares that the multi-functional control, type(s)

830 TANDEM

Manufacturer **SIT S.P.A.**  
35129 Padova, Italy

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 126:2012**

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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## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

Manufacturer: SIT S.P.A.

Multi-functional control and associated safety devices for gas appliances Type 830 TANDEM is intended for use on gas appliances and similar use.

### List of all available types:

Multi-functional controls approved on EN 126 which consists of:

830 TANDEM

One or two electro-magnetic shut-off valves class B.

Closing time less than 1 s.

With adjustable step opening

Working voltages

220/240 V - 50 Hz

220 V - 60 Hz

24 V - 50 Hz

24 V - 50 Hz (low energy)

24 V - 60 Hz

24 V - 60 Hz (low energy)

Degree of protection IP 54, with SIT connectors.

Pressure governor class C.

Outlet pressure range 3 to 50 mbar.

Suited for gas families 1, 2H, 2L and 3.

Flow capacity at dP = 5 mbar: 4.8 m<sup>3</sup>/h (d=0.6)

3.8 m<sup>3</sup>/h (d=0.6) for low energy type.

Pilot connection

Flow adjuster only on the version without pressure governor.

Max. inlet pressure 60 mbar

Connection size Rp 1/2 with the possibility for connection flanges.

Mechanical strength group 2.

Ambient temperature range -20 °C to 60 °C



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## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

830 TANDEM

Multi-functional control approved on EN 126, which consists of:  
One electro-magnetic shut-off valve class B.  
With adjustable step opening (Optional)  
Closing time less than 1 s.  
Working voltage 230 V - 50 Hz  
Degree of protection IP 54, with SIT connectors.

Pressure governor class C.  
Outlet pressure range 3 to 50 mbar.  
Suited for gas families 1, 2H, 2L and 3.  
Flow capacity at dP = 5 mbar: 5 m<sup>3</sup>/h (d=0.6).

Pilot connection  
Flame supervision device  
Flow adjuster only on the version without pressure governor.

Max. inlet pressure 60 mbar  
Connection size Rp 1/2 with the possibility for connection flanges.  
Mechanical strength group 2.  
Ambient temperature range 0 °C to 60 °C.

832 TANDEM

Multi-functional control approved on EN 126, which consist:

One or two electro-magnetic shut-off valves class A.  
Closing time less than 1 s.  
With adjustable step opening  
Working voltages 220/240 V - 50 Hz  
24 V - 50 Hz  
Degree of protection IP 54, with SIT connectors.

Pressure governor class C.  
Outlet pressure range 3 to 50 mbar.  
Suited for gas families 1, 2H, 2L and 3.  
Flow capacity at dP = 5 mbar: 3.8 m<sup>3</sup>/h (d=0.6) for low energy type.

Pilot connection  
Flow adjuster only on the version without pressure governor.  
Max. inlet pressure 60 mbar  
Connection size Rp 1/2 with the possibility for connection flanges.

Mechanical strength group 2.  
Ambient temperature range -20 °C to 60 °C

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## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

836 TANDEM

Multi-functional control approved on EN 126,  
which consists of:  
Two electro-magnetic shut-off valves class A and/or B.  
Closing time less than 1 s.  
With adjustable step opening  
Working voltages 220/240 V - 50 Hz  
220 V - 60 Hz  
24 V - 50 Hz  
24 V - 60 Hz

Degree of protection IP 54, with SIT connectors.

Pressure governor class C, provided with an electro-magnetic  
high/low regulator.

Outlet pressure range max. 7 to 50 mbar.  
min. 2 to 45 mbar.

Suited for gas families 1, 2H, 2L and 3.

Flow capacity at dP = 5 mbar: 4.2 m<sup>3</sup>/h (d=0.6)

Working voltage high-low regulator: 240 VRAC  
220 VRAC  
24 VRAC

Pilot connection

Max. inlet pressure 60 mbar

Connection size Rp 1/2 with the possibility for connection flanges.

Mechanical strength group 2.

Ambient temperature range -20 °C to 60 °C



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## APPENDIX TO UKCA TYPE EXAMINATION CERTIFICATE

837 TANDEM

Multi-functional control approved on EN 126,  
which consists of:  
Two electro-magnetic shut-off valves class A and/or B.  
Closing time less than 1 s.  
With adjustable step opening  
Working voltages

220/240 V - 50 Hz  
220 V - 60 Hz  
24 V - 50 Hz  
24 V - 60 Hz

Degree of protection IP 54, with SIT connectors.

Pressure governor class C, provided with an electro-magnetic  
modulating regulator.

Outlet pressure range: 2 to 20 mbar  
3 to 37 mbar  
7 to 50 mbar.

Suited for gas families 1, 2H, 2L and 3.

Flow capacity at dP = 5 mbar: 4.2 m<sup>3</sup>/h (d=0.6)

Working power modulator: max. 25 mA - 240 VDC  
max. 165 mA - 28 VDC  
max. 310 mA - 16 VDC

Pilot connection

Max. inlet pressure 60 mbar

Connection:

- Size Rp 1/2 with the possibility for connection flanges.
- Or, tube O-ring and nut connection diameter 18.5mm ("fast connections")

Mechanical strength group 2.

Ambient temperature range -20 °C to 60 °C