



Number	18GR0116/00	Contract number	E7060
Issue date	21-04-2018	Scope	(EU) 2016/426 (9 March 2016)
Due date	23-02-2028	Module	B (Type testing)
PIN	0063AP7060/4	Report number	119954

EU TYPE EXAMINATION CERTIFICATE (GAR)

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

830 TANDEM

manufactured by **SIT S.P.A.**
35129 Padova, Italy

meet(s) the essential requirements as described in the
Regulation (EU) 2016/426 relating to appliances burning gaseous fuels.

The compliance is based on examination to EN 126:2012.

The product(s) has/have been approved for all EU and EFTA countries.

A description of the specific types is given in the appendix to this certificate.

Luc Leroy, Kiwa



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APPENDIX TO EU TYPE EXAMINATION CERTIFICATE (GAR)

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 m³/h (d=0.6)

3.8 m³/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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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 m³/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 m³/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 EU TYPE EXAMINATION CERTIFICATE (GAR)

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 m³/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 EU TYPE EXAMINATION CERTIFICATE (GAR)

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: $4.2 \text{ m}^3/\text{h}$ ($d=0.6$)

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 .