

660 BABYSIT

MULTIFUNCTIONAL GAS CONTROL



SINGLE-KNOB CONTROL (TEMPERATURE ADJUSTMENT, PILOT, OFF)

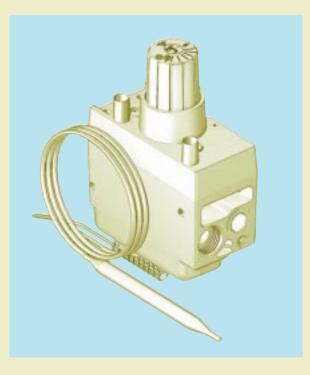
CONTINUOUS MODULATING THERMOSTAT

THERMOELECTRIC SAFETY DEVICE





MULTIFUNCTIONAL THERMOSTATIC CONTROL



Single-knob multifunctional control, with thermoelectric safety device and: interlock to prevent improper operation available, pressure adjuster and continuous modulating termostat. No external electric power supply required.

660 BABYSIT is suitable for use with heaters, large stoves and small gas boilers (for the home, caravan, etc.).

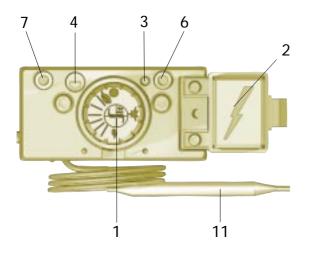
MAIN FEATURES

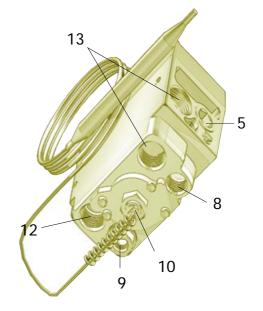
3-position control knob: temperature adjustment, pilot, off.
Thermostat with continuous modulating action.
Maximum flow adjustment screw (on request).
Minimum flow adjustment screw.
Ignition enabling device; ignition possible only with the knob in the pilot position (on request).
Adjuster for gas flow to the pilot burner (on request).
Shutdown device with interlock device to prevent improper operation (on request).
Inlet and outlet pressure test points (on request).
Piezo-electric igniter (on request).
Inlet filters.
Pilot filter (on request).

DESCRIPTION

- 1 Control and temperature selection knob
- 2 Piezoelectric ignition button (on request)
- 3 Maximum flow adjustment screw
- 4 Minimum flow adjustment screw
- 5 Adjustment screw for gas flow to the pilot (on request)
- 6 Inlet pressure test point (on request)

- 7 Outlet pressure test point (on request)
- 8 Pilot outlet
- 9 Thermocouple connection
- 10 Thermostat bulb connection
- 11 Thermostat bulb
- 12 Gas inlet
- 13 Alternative gas outlet





TECHNICAL DATA

Rp 3/8 ISO 7

any position

I, II and III

50 mbar

0 - 80°C

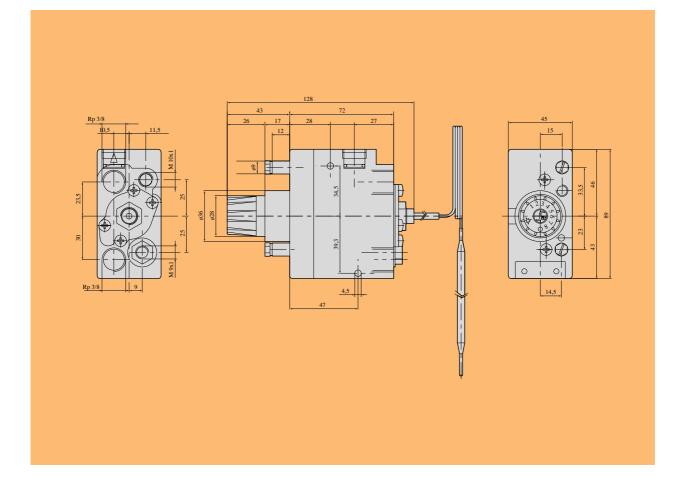
- Gas connections:
- Installation position:
- Gas families:
- Maximum gas inlet pressure:
- Working temperature range:



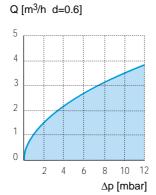
Data refer to EN 126



DIMENSIONS



FLOW RATE AS A FUNCTION OF PRESSURE DROP



I	Family (d = 0.45)	Q = 2.7 m ³ /h	∆p = 5 mbar
Ш	Family (d = 0.6)	$Q = 2.4 \text{ m}^3/\text{h}$	∆p = 5 mbar
	Family (d = 1.7)	Q = 3.0 kg/h	$\Delta p = 5 \text{ mbar}$

OPERATION

Ignition

Turn the knob to the pilot position ★. Depress the knob and ignite the pilot flame, keeping the pilot flame fully depressed for a few seconds (fig. 1). In versions with a piezoelectric igniter, ignition is carried out by depressing the button → while the knob is depressed. Release the knob and check that the pilot flame stays on. If it goes out, repeat the ignition operations.

Normal operation

Turn the knob to the desired temperature (fig. 2). The maximum temperature is obtained with the knob turned fully anticlockwise.

Pilot position

To turn off the main burner and keep the pilot burner on, turn the knob clockwise to the pilot position \bigstar .

Shutdown

Turn the knob to the OFF position ● (fig. 3).

Versions with ignition interlock

In these versions: the piezoelectric igniter only generates sparks when the control knob is in the pilot position ***** and is fully depressed. If the control knob is in any other position, the ignition interlock interrupts the electrical circuit to the plug and prevents sparking. Improper ignition operations are therefore impossible.

ATTENTION: the restart interlock prevents re-ignition of the appliance until the flame failure device has cut off the gas flow. At the end of this period (after closure of the magnet unit) the ignition operation can be carried out once again.



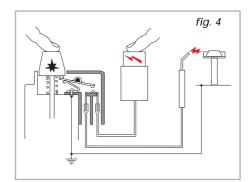
fig. 1



fig. 2



fig. 3





INSTALLATION

Main gas connection

The connection should be made using gas pipes with Rp 3/8 ISO 7 threading. Torque: 25 Nm. Alternatively, it is possible to use nut and olive connections for Ø 12 mm pipes. Torque: 15 Nm. The multifunctional control is provided with one main gas inlet and two outlets. It is therefore necessary to close the outlet which is not used, by screwing the plug provided fully in. Torque: 7 Nm.

Connection to the pilot burner

Pipes with a 4 mm, 6 mm or 1/4 diameter can be used. Use a nut and olive of appropriate dimensions. Tighten to 7 Nm torque.



SETTINGS AND ADJUSTMENTS

Setting the thermostat

The thermostat is set and sealed in the factory.

Adjusting the minimum flow

Screw in the screw (MIN) to reduce the flow; screw it out to increase it.

Minimum flow adjustment screws with calibrated holes are available; these screws must be screwed fully in and sealed.

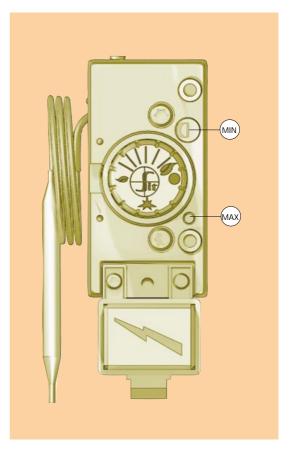
Adjusting the maximum flow

Screw in the screw (MAX) to reduce the flow; screw it out to increase it.

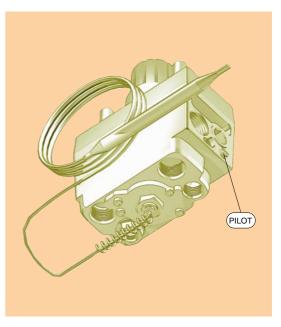
The maximum flow adjuster must be overridden by screwing out the screw (MAX) until it stops.

Adjustment of the gas flow to the pilot

Screw in the provided screw (PILOT) to reduce the flow and screw it out to increase. To override gas flow adjustment to the pilot, fully screw in the adjustment screw and then screw it out two complete turns.



Adjustment of minimum and maximum gas flow



Adjustment of gas flow to the pilot

Implement the provisions in the Use and Maintenance manual - code 9.956.660 - for installation, adjustment and use



660 BABYSIT



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Single-knob multifunctional control with continuous modulating thermostat for small gas appliances without external electric power supply.



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