



fig.1: External aspect and electrical connections

PRODUCT COMPOSITION

- Boxed temperature controller 3 module
- Cover Plate
- Inbox box
- Temperature Probe
- Accessories
- Instructions

FUNCTIONING

❖ ON/OFF:

The On/Off of the controller is pushing the button **P1**

The state OFF is signaled through the led **L1**

❖ FUNCTIONING Modality

- **MANUAL:** advice signal **MAN**

The fan is at the set speed independently by the Probe's temperature

- **AUTOMATIC:** advice signal **AUT**

The Fan starts at the set up speed when the probe's temperature is higher than the setted Thermostat **SET**

- **PROPORTIONAL:** advice signal **PROP**

The fan increases automatically its speed according to the probe's temperature in the range **SET ÷ SET+DEL**

❖ STANDBY Function: if parameter **Sth = 1**

If the device is OFF,

if the probe's temperature is higher than the value of thermostat **TSI**

- The device goes in ON automatically

❖ SAFETY Function: if the parameter **SIC = 1**

If the probe's temperature is higher than value of thermostat **TSI**

And the fan is OFF in MANUAL Modality

- The device goes automatically in the Proportional Modality waiting 10 seconds.

❖ SAFETY FAN Function: if the parameter **SAF = 1**

If the probe's temperature is higher than value of thermostat **TSA**

- The Fan is OFF

❖ ALARM Function:

If probe's temperature is higher than the value of thermostat **TAL** and the parameter **Enb = 1**

- The acoustic signal is activated
- This signaling can be deactivated for 5 minutes by pushing a button
- After 5 minutes, if there's again the condition of alarm, it is activated again.

MAIN Menu:

❖ FUNCTIONING Modality Selection

- Press **P4** key to see the current modality: it's signaled by the display and the led
- Pressing again the **P4** key, you can select cyclically one of three functioning modality signaled on the display and by the led
- The setting is automatically memorized after 4 seconds
- The **L5** shows the status of the Fan

❖ Functioning Speed Selection

- Pressing **P2** or **P3** keys the setting of the current fan speed is visualized or modified
P0= Off (only manual); **P1** = Minimum Speed; **P10**= Maximum Speed
- This function is not available in the PROPORTIONAL Modality
- In the AUTOMATIC Modality the speeds that can be set are **P1 ÷ P10**



FAILURE OR ALARM SIGNALS

The controller can signal the failure of the probe.

Blinking message for the failure signal:

- **Lo:** indicates a low temperature (temperature under 0°C): **Probe Open or Disconnected**
- **Hi:** indicates a high temperature (temperature over 180°C): **Probe in Short Circuit**

⚠ ATTENTION

- Avoid join together the probe's cables with power's cables.
- Provide the system's feeding with a bipolar switch according to the actual rules and with opening distance of the contacts of at least 3 mm for each pole.
- Installation and the electrical connection of the device have to be made by experienced personal and with appropriate equipping.
- Before the connection be aware that the electrical feeding is not connected.

SECONDARY Menu:

It allows to modify the functioning parameters of the controller.

- To enter the MENU push together buttons **P2** and **P3** for about 5 seconds.
- To scroll the code list use the button **P2** or **P3**
- To show the parameter's value push the button **P4**
- To modify the parameter's value push the buttons **P2** or **P3**
- To visualize again the code list and memorize push the button **P4**
- To exit and memorize wait for about 10 seconds.

The parameters are described in the following table

MAIN Menu Parameters	Code	Min	Default	Max
Functioning Modality Man / Aut / PrP			Man	
Fan Regulation Speed		00	XX	10
SECONDARY Menu Parameters	Code	Min	Default	Max
Temperature Fan Activation	SET	40°	45°	99°
Temperature Fan Activation Hysteresis	iSt	1°	2°	35°
ALARM Temperature Activation	TAL	100°	120°	180°
SAFETY Temperature Activation	TSI	80°	100°	140°
SAFETY FAN Temperature Activation	TSA	100°	135°	180°
SAFETY Function Enable	SIC	0 [off]	1 [on]	1 [on]
SAFETY FAN Function Enable	SAF	0 [off]	0 [off]	1 [on]
STANDBY Function Enable	Stb	0 [off]	1 [on]	1 [on]
BUZZER Function Enable	Enb	0 [off]	1 [on]	1 [on]
➤ Fan Speed P01	U01	00	16	99
➤ Fan Speed P09	U09	00	70	100
➤ Fan Speed P10	U10	00	100	100
Temperature Range of Regulation for Proportional Modality	DEL	20°	20°	100°

Table 1 – Menu Parameters

➤ **P01 / P09 / P10 Speed REGULATION (parameters U01 / U09 / U10)**

- Enter in SECONDARY Menu
- Select the parameter to verify/modify : the fan works automatically at the set speed
- Modify the value until the desired value : in this way it is possible to control the speed directly.
- Memorize by pushing button **P4**
- Eventually repeat the operation for the other speeds/parameters
- To exit, wait about 10 seconds.

Supply:	230 Vac ±10%~ 50HZ: EMI filter on side	
Protection:	Internal Fuse	
Temperature Probe:	Working Temperature: -50°C / 250 °C Range of Measure: 0 – 180 °C: ± 1°C	
Output:	FAN: 230 Vac I _{max} : 0,8A/1,5A <i>high power version</i>	
Dimensions:	Inbox Controller 120 x 80 x 50 [mm]	
Applied Rules:	EN 60730-1 50081-1 EN 60730-1 A1 50081-2	

Table 2 – Technical characteristics

In the view of a constant development of their products, the manufacturer reserves the right for changing technical data and features without prior notice. The consumer is guaranteed against any lack of conformity for 24 months from the delivery time, according to the European Directive 1999/44/EC. The full text of guarantee is available on request from the seller.
The company does not answer for damages due to a wrong wiring or improper use of the device!

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