"HAND" MODE

In some start-up conditions may be useful to work in "hand" mode:

Power off the processor, press **+** key and keep it pressed giving power on: ***HAnd*** message will be displayed (release now **+** key).
Push **+** until is displayed number required to be handed (see table relays) and push **ALARM** for activing relay.
Pushing again **+** for increase relay number previous relay is disactivated.
You can press **ALARM** key for a least two seconds to escape and return to the *Run Mode*.

STATE INDICATION LAMPS

The light situaded at the bottom of the display show the state of the various relays as set out below:

Lamp.	State	N° Relay	Contacts
CLOSE (1)	Close (Heat) Zone 1 On	1	3-4
OPEN (1)	Open (Cool) Zone 1 On	2	5-6
CLOSE (2)	Close (Heat) Zone 2 On	3	7-8
OPEN (2)	Open (Cool) Zone 2 On	4	9-10
MIN (1)	Minimum Alarm Zone 1 On	EXT2 (*)	6-7-8
MAX (1)	Maximum Alarm Zone 1 On	EXT2 (*)	6-7-8
MIN (2)	Minimum Alarm Zone 2 On	EXT2 (*)	6-7-8
MAX (2)	Maximum Alarm Zone 2 On	EXT2 (*)	6-7-8
	Logic Or On relays 1-2-3-4	EXT1 (*)	3-4-5

* Available only with **HPAL** optional slot

INSTALLATION

How to connect the sensors

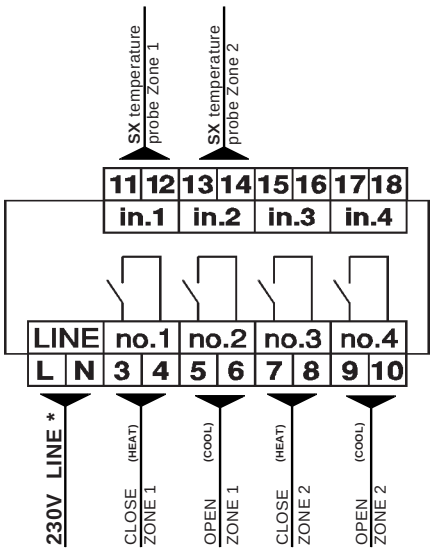
Connect the sensor provided as shown in the diagram. For remote connections use a standard 0.5-square millimeter two-pole wire , taking great care over the connections, by insulating and sealing the joins carefully. ***-O.C.-*** is displayed when the temperature sensor wiring is open, ***-S.C.-*** is displayed when the temperature sensor wiring is short circuit.

How to connect the line

Connect 230V line on terminals **L-N**.
Protect supply with adequate fuse.

How to connect the contacts

Connect terminals **3-4..9-10** on the terminal block (contacts up to 4AMP.AC1).



***Other power voltage if you required.

19.07.06

HP26

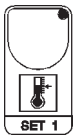
SL 3.0

Double floating proportional

Handbook

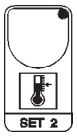
MAIN SETTING (Run Mode)

ZONE 1 TEMPERATURE SETTING



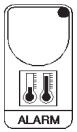
Press **SET 1** (key lamp flashes):
this message will be displayed instead of the
° *Set Zone 1 temperature value*.
Press **+** or **-** to modify, press **SET 1** to escape.

ZONE 2 TEMPERATURE SETTING



Press **SET 2** (key lamp flashes):
this message will be displayed instead of the
° *Set Zone 2 temperature value*.
Press **+** or **-** to modify, press **SET 2** to escape.

ALARM PARAMETER SETTING



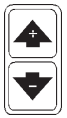
Press **ALARM** (key lamp flashes):
this message will be displayed instead of the
° *Set Zone 1 Minimum alarm temperature value* .
Press **+** or **-** to modify, press **ALARM** to confirm.

At this point:
this message will be displayed instead of the
° *Set Zone 1 Maximum alarm temperature value* .
Press **+** or **-** to modify, press **ALARM** to escape.

At this point:
this message will be displayed instead of the
° *Set Zone 2 Minimum alarm temperature value* .
Press **+** or **-** to modify, press **ALARM** to escape.

At this point:
this message will be displayed instead of the
° *Set Zone 2 Maximum alarm temperature value* .
Press **+** or **-** to modify, press **ALARM** to escape.

COST PROGRAMMING (System costants)



These settings refer to the mode of operation of the system and must be made on initial start-up.
Press **- / +** together for at least one second: the message ***C.O.S.t.*** will be displayed.
Press than repeatly **ALARM** until interested variable's message is displayed (see table below): variable value and related message will be displayed.

Press **+** or **-** to set a new value and then **ALARM** to confirm. The next system constant will then appear.
You can press **ALARM** for a least two second to escape and return to the Run Mode.

Mess.	Value	Meaning	Note
n.b.1	**0.2°**	° Zone 1 Neutral range	***1)**
b.CL.1	**5.0°**	° Zone 1 HEAT modulation range	***1)**
b.OP.1	**5.0°**	° Zone 1 COOL modulation range	***1)**
t.on.1	**1.0"**	Zone 1 On time in seconds	***1)**
t.oF.1	**60.0"**	Zone 1 Off time in seconds on exit from neutral range	***1)**
n.b.2	**0.2°**	° Zone 2 Neutral range	***1)**
b.CL.2	**5.0°**	° Zone 2 HEAT modulation range	***1)**
b.OP.2	**5.0°**	° Zone 2 COOL modulation range	***1)**
t.on.2	**1.0"**	Zone 2 On time in seconds	***1)**
t.oF.2	**60.0"**	Zone 2 Off time in seconds on exit from neutral range	***1)**
tEnP	**=1**	Temperature representation (=1 °C, =2 °F)	***2)**
Ad.t1	**0.0°**	° Zone 1 input temperature sensor correction (+ or -)	***3)**
Ad.t2	**0.0°**	° Zone 2 input temperature sensor correction (+ or -)	***3)**

***1)** For more details see *Operating Diagrams*.
2)** ***tEnP =1 : **°C** Temperature range.
tEnP =2 : **°F** Temperature range.
***3)** You can correct the readings on the sensor (**+** or **-**).

PRESET PROGRAMS (Bootstrap)

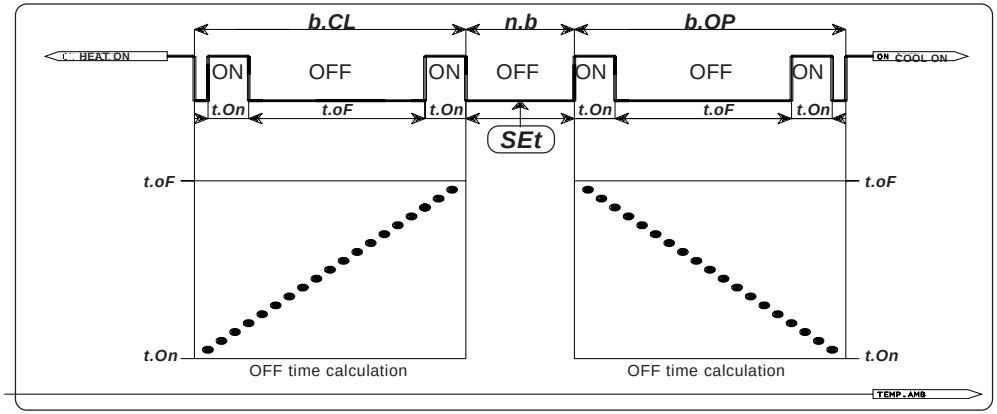
At delivery this processor is ready programmed with the following (variable) settings.
To return to these settings at any time:
Power off the processor, press **ALARM** key and keep it pressed giving power on: release **ALARM** key when on the screen appear ***boot*** message.

SEt.1=**25.0°** ***SEt.2***=**25.0°** ***AL._1***=**10.0°** ***AL.-1***=**40.0°** ***AL._2***=**10.0°** ***AL.-2***=**40.0°**

The COSt values are shown in *COSt Programming*

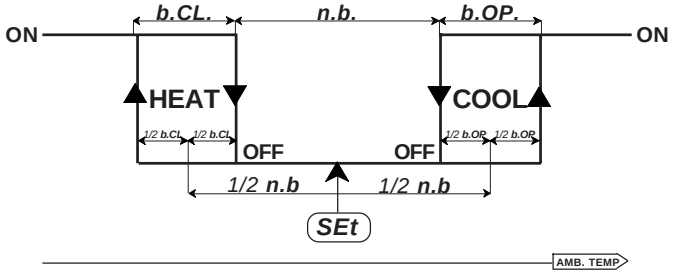
OPERATIVE DIAGRAMS

Floating poportional action

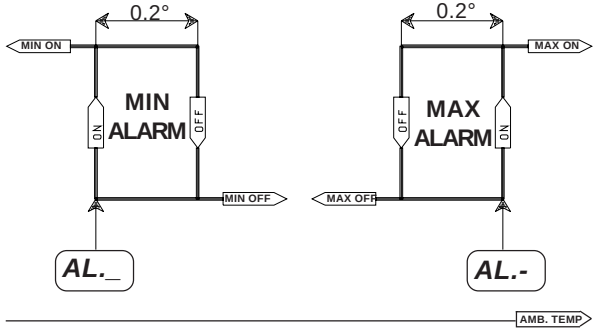


On-Off actioning (Heating and Cooling)

With ***t.on.x=0.0"*** (***x*** reffered to Zone ***1*** or ***2***) you can obtain actioning of Heating and Cooling in On-Off mode.



Alarm temperature actioning



Alarm output available only with **HPAL** slot option.

Note: these impostations referrig to ZONE 1 or ZONE 2:
*For example: **SEt.1** referring to Zone1, **SEt.2** referring to Zone 2).*