

INSTALLATION

How to connect the sensors

Connect the provided sensor as shown in the diagram.

For remote connections use a standard 0.5-square millimetre two-pole wire for each sensor, 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

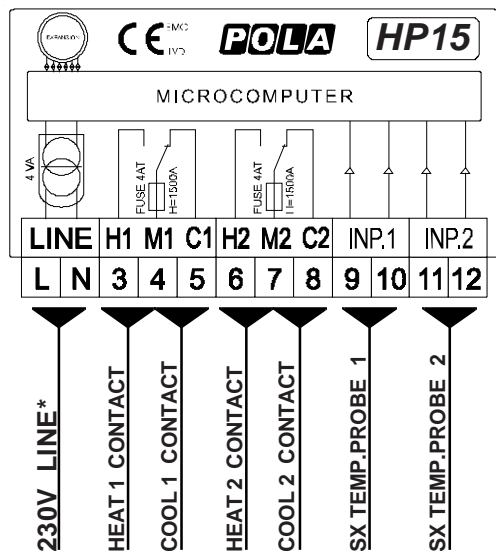
Connect 230V line on terminals **L-N**.

Protect supply with adequate fuse.

How to connect the contacts

Connect terminals on the terminal block

(contacts up to 4AMP.AC1) to the loads as shown in the diagram.



* Other power voltage if you required

As it company policy to continually improve the products the Manufacturers reserve the right to make any modifications thereto without prior notice. They cannot be held liable for any damage due to malfunction.

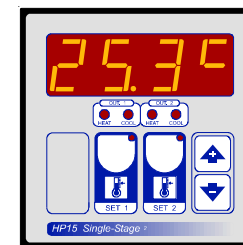


HP15

SL 3.0

Double single-level thermostat

Handbook



MAIN SETTINGS (Run Mode).



SET 1 TEMPERATURE SETTING.

Press **SET 1** (key lamp flashes):

This message will be displayed instead of the °Set 1 temperature value.

Press + or - to modify. Press **SET 1** to confirm.

SET.1

25.0°C

Example SET.1 = 25.0°



SET 2 TEMPERATURE SETTING.

Press **SET 2** (key lamp flashes):

This message will be displayed instead of the °Set 2 temperature value.

Press + or - to modify. Press **SET 2** to confirm.

SET.2

25.0°C

Example SET.2 = 25.0°

MINIMUM AND MAXIMUM AMBIENT TEMPERATURES RECORDING.

TEMPERATURE 1 RECORDING VIEWING. Press **SET 1** key, after:



Press + : F. _ _ _ will be displayed followed by °Maximum Temperature 1 Recording.



Press - : F. _ _ _ will be displayed followed by °Minimum Temperature 1 Recording.

TEMPERATURE 2 RECORDING VIEWING. Press **SET 2** key, after:



Press + : F. _ _ _ will be displayed followed by °Maximum Temperature 2 Recording.



Press - : F. _ _ _ will be displayed followed by °Minimum Temperature 2 Recording.

Values are permanently stored in the memory: for deleting all values in the memory keep pushed + key for more than 3 seconds: **CLEA** message will appear on display before clearing operation.

COS_t PROGRAMMING (System constants)



These settings refer to the operation mode of the system and must be made on initial startup. Press - / + at the same time for at least one second: the message **C.O.S.t.** will be displayed.

Press then repeatedly **SET 2** until the message regarding the chosen variable is displayed (see table below): variable's value and message will be displayed.

Press + or - to set a new value and then press **SET 2** to confirm.

The next system constant will then appear.

You can press **SET 2** for at least 2 seconds to exit and return to the *Run Mode*.



Mess.	Value	Meaning	Note
diF.1	0.2 °	° SET 1 differential	*1)
diF.2	0.2 °	° SET 2 differential	*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 various sensors (+ or -).

PRESET PROGRAMS (Bootstrap)



This processor is already programmed with the following (variable) settings. To return to these settings at any time you may:

Power off the processor, press **SET 2** key and keep it pressed giving power on: **boot** message will be displayed (release now **SET 2** key).

SEt.1 = 25.0° SEt.2 = 25.0°

The **COS_t** values are shown in **COS_t** paragraphs.

MANUAL MODE



In some start-up conditions may be useful to work in "manual" 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 *State indication lamps*) and push **SET 2** for activating relay.

Pushing again + for increase relay number previous relay is disactivated.

You can press **SET 2** key for a least two seconds to escape and return to the *Run Mode*.

STATE INDICATION LAMPS

The light situated at the bottom of the display shows the state of the controller:

Lamp.	State	N ° Relay	Contacts
HEAT (1)	HEAT 1 Output On	1	3-4
COOL (1)	COOL 1 Output On	1	4-5
HEAT (2)	HEAT 2 Output On	2	6-7
COOL (2)	COOL 2 Output On	2	7-8

OPERATIVE DIAGRAMS

