INSTALLATION

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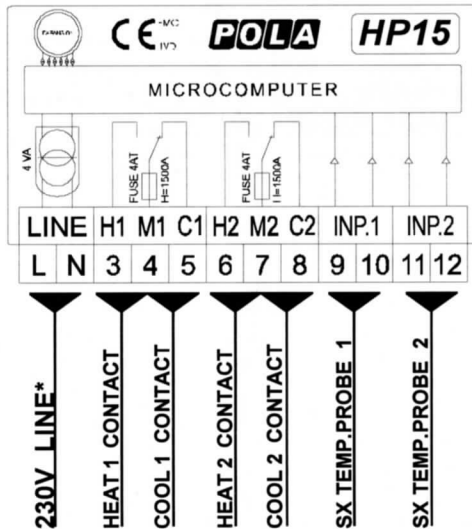Connect the sensors provided as shown in the diagram.
For remote connections use a standard 0.5-square millimetre two-pole wire for each sensor, taking great care over the connections, by insulating and sealing the joins carefully. **-O.C.-** is displayed when the temperature sensor wiring is open, **-S.C.-**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

CE -MC IVD POLA HP15

MICROCOMPUTER

4 VA | FUSE 4AT I=1500A | FUSE 4AT I=1500A

LINE	H1	M1	C1	H2	M2	C2	INP.1		INP.2	
L	N	3	4	5	6	7	8	9	10	11	12

230V LINE* | HEAT 1 CONTACT | COOL 1 CONTACT | HEAT 2 CONTACT | COOL 2 CONTACT | SX TEMP.PROBE 1 | SX TEMP.PROBE 2

* Other power voltage if you required

POLA® CE

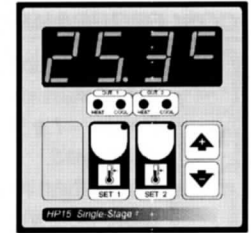19.07.06

HP15
SL 3.0
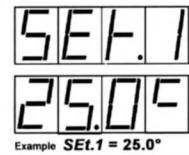### Double single-level thermostat
Handbook

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.
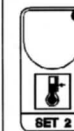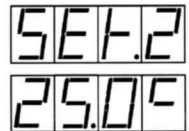
`SEt.1`
`25.0°`
Example SEt.1 = 25.0°

SET 2 TEMPERATURE SETTING.
Press **SET 2** (key lamp flashes):
This message will be displayed instead of the °Set 1 temperature value.
Press **+** or **-** to modify. Press **SET 2** to confirm.

`SEt.2`
`25.0°`
Example SEt.2 = 25.0°

MINIMUM AND MAXIMUM AMBIENT TEMPERATURES RECORDING.

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

Press **+** `t. ‾‾1` : will be displayed followed by °Maximum Temperature 1 Recording.

Press **-** : `t.__1` will be displayed followed by °Minimum Temperature 1 Recording.

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

Press **+** `t. ‾‾2` : will be displayed followed by °Maximum Temperature 2 Recording.

Press **-** : `t.__2` will be displayed followed by °Minimum Temperature 2 Recording.

Values recorder are memory permanent stored: for memory clear keep pushed **+** keys for more than 3 seconds: **CLEA** message will be composed on display before clearing operation.

COSt PROGRAMMING (System constants)

These settings refer to the mode 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 **SET 2** 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 **SET 2** to confirm.

The next system constant will then appear.

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

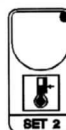| Mess.	Value	Meaning	Note
diF.1	0.2°	° SET 1 differential	*1)
diF.2	0.2°	° SET 2 differential	*1)
tEnP	=1	Temperature representation (=1 °C, =2 °F)	*2)
Ad.t1	0.0°	° Zone 1 input temperature sensor correction (+ or -)	*3)
Ad.t2	0.0°	° Zone 2 input temperature sensor correction (+ or -)	*3)

*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 -).

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 "N° Relay") and push **SET 2** for activing relay.

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

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

STATE INDICATION LAMPS

The lights situated at the bottom of the display show the state of the various relays as set out below.

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

PRESET PROGRAMS (Bootstrap)

This processor is ready programmed with the following (variable) settings.

To return to these settings at any time:

Power off the processor, press **SET 2** key and keep it pressed giving power on: release **SET 2** key when on the screen appear *boot* message.

SEt.1 = 25.0°   *SEt.2* = 25.0°

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

OPERATIVE DIAGRAMS