INSTALLATION

How to connect the sensors

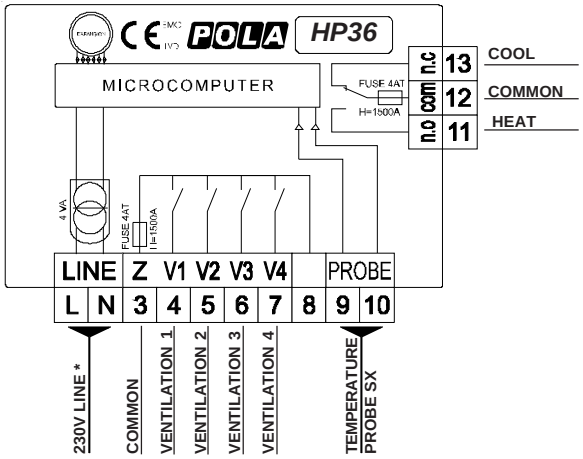
Connect the provided sensor as shown in the diagram. For remote connections use a standard 0.5-square millimeter two-pole wire , taking great care over the connections, by insulating and sealing the joins carefully. ***-O.C.-*** is displayed when the temperature sensor wiring is open, ***-S.C.-*** is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

How to connect the line

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

How to connect the contacts

Connect terminals **3-7** / **...11-13** on the terminal block (contacts up to 4AMP.AC1).
Ventilator's contacts are progressive type.
Output contacts are N.O. (Normally Opened and free of voltage) on wich is aplliable a 4AMP AC1 maximum load.
3-4= VENT 1 contact.
3-5= VENT 2 contact.
3-6= VENT 3 contatc.
3-7= VENT 4 contact.
11-12= Heat contact.
12-13= Cool contact**.**



* Other power voltage if you required

21.12.12

HP36

SL 3.0

On-off ventilation controller

Handbook

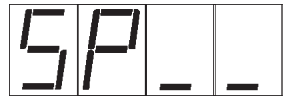
MAINS SETTING (Run mode)

VENTILATION TEMPERATURE SETTING.

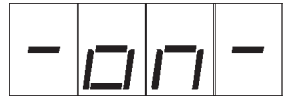
Press **°C VENT** :
This message will be displayed instead of the *°Set Ventilation temperature value (start first ventilation)*.
Press **+** or **-** to modify, press **°C VENT** to confirm.

MINIMUM SPEED SETTING.

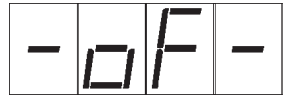
Press **MIN VENT**:
This message will be displayed instead of the *Minimum Ventilation*.
Press **+** or **-** to modify, press **MIN** to confirm.



If the minum speed is set ***0*** , this message appears instead of the *Set partialized On time* in seconds.
Press **+** or **-** to modify, press **MIN** to confirm.



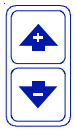
At this point, this message appears instead of the *Set partialized Of time* in seconds.
Press **+** or **-** to modify, press **MIN** to confirm.



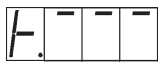
MAXIMUM SPEED SETTING.

Press **MAX VENT**:
This message will be displayed instead of the *Maximum Ventilation*.
Press **+** or **-** to modify, press **MAX** to confirm.

VIEWING AMBIENT TEMPERATURE RECORDING

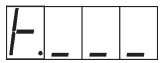


Press **+** :



will be displayed followed by
°Maximum Temperature Recording.

Press **-** :



will be displayed followed by
°Minimum Temperature 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.

COSt 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 than repeatedly **MAX VENT** until the message regarding the chosen variable is displayed (see table below) : value of variable and message will be displayed.
Press + or - to set a new value and then press **MAX VENT** to confirm.
The next system constant will then appear.
You can press **MAX VENT** for at least 2 seconds to exit and return to the Run Mode.

Mess.	Value	Meaning	Note
r.1	**0.0 °**	° Start ventilation 1 reffering to °VEnt setting	***1)**
r.2	**1.0 °**	° Start ventilation 2 reffering to start ventilation 1	***1)**
r.3	**1.0 °**	° Start ventilation 3 reffering to start ventilation 2	***1)**
r.4	**1.0 °**	° Start ventilation 4 reffering to start ventilation 3	***1)**
d.FAn	**0.2 °**	° Ventilation differential	***1)**
dEL.F	**1"**	Ventilation step on delay seconds	
r.HEA	**-0.5 °**	° HEAT setting referring to °C VENT	***2)**
d.HEA	**0.2 °**	° HEAT differential	***3)**
tEnP	**=1**	Temperature representation	***4)**
Ad.tE	**0.0 °**	° input sensor temperature correction	***5)**

***1)** For more details see *Operative diagram.*

***2)** This set is a relative set reffered to temperature setted on **°C VENT** key.
For example if is setted ***°C VENT=25.0°*** and ***r.HEA=-0.5°*** heating command (HEAT) will start at 24.5° (25.0°-0.5°). Heating will be OFF after 0.2° (value ***d.HEA***).

3)** ***tEnP =0 ; **°C** Temperature range.
tEnP =1 ; **°F** Temperature range.

***4)** You can correct the readings on the sensor (**+** or **-**).

PRESET PROGRAMS

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 **MAX VENT** key and keep it pressed giving power on: ***boot*** message will be displayed (release now **MAX VENT** key).

t.FAn= 25.0° SP_ _ =0 -on- =0" -oF- = 0" SP - - =4

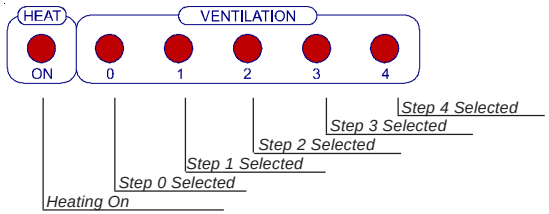
The ***COSt*** values are shown in *COSt Promagramming*.

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 *Status indication lamp*) and push **MAX VENT** for activing relay.
Pushing again **+** for increase relay number previous relay is disactivated.
You can press **MAX VENT** key for a least two seconds to escape and return to the *Run Mode*.

STATUS INDICATION LAMPS

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



Lamp.	State	N° Relay	Contacts
HEAT	HEAT ON	5	11-12-13
VENT 1	VENT. 1 ON	1	3-4
VENT 2	VENT. 2 ON	2	3-5
VENT 3	VENT. 3 ON	3	3-6
VENT 4	VENT. 4 ON	4	3-7

OPERATING DIAGRAM