

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.

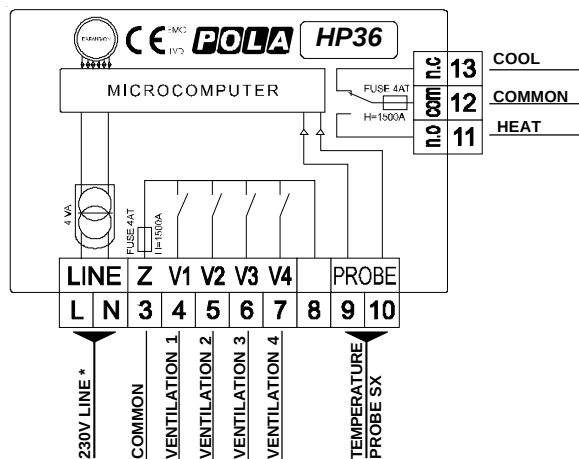
How to connect the line

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 which is applicable a 4AMP AC1 maximum load.

3-4= VENT 1 contact.
3-5= VENT 2 contact.
3-6= VENT 3 contact.
3-7= VENT 4 contact.
11-12= Heat contact.
12-13= Cool contact.



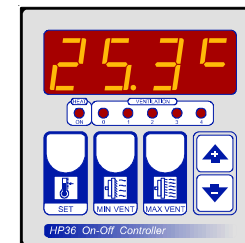
* Other power voltage if you required

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.

F.F.A.n

MINIMUM SPEED SETTING.



Press **MIN VENT**:

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

SP _ _



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.

- 0 n -



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

- 0 F -

MAXIMUM SPEED SETTING.



Press **MAX VENT**:

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

SP _ _

VIEWING AMBIENT TEMPERATURE RECORDING



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



Press - : F. _ _ _ 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 referring to °Vent setting	*1)
r.2	1.0 °	° Start ventilation 2 referring to start ventilation 1	*1)
r.3	1.0 °	° Start ventilation 3 referring to start ventilation 2	*1)
r.4	1.0 °	° Start ventilation 4 referring 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 referred 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).

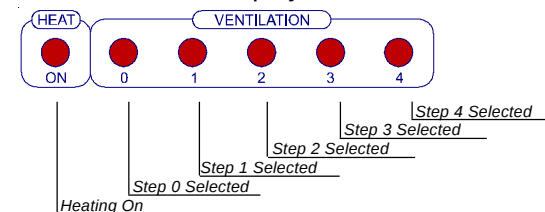
Push + until is displayed number required to be handed (see *Status indication lamp*) and push **MAX VENT** for activating relay.

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

