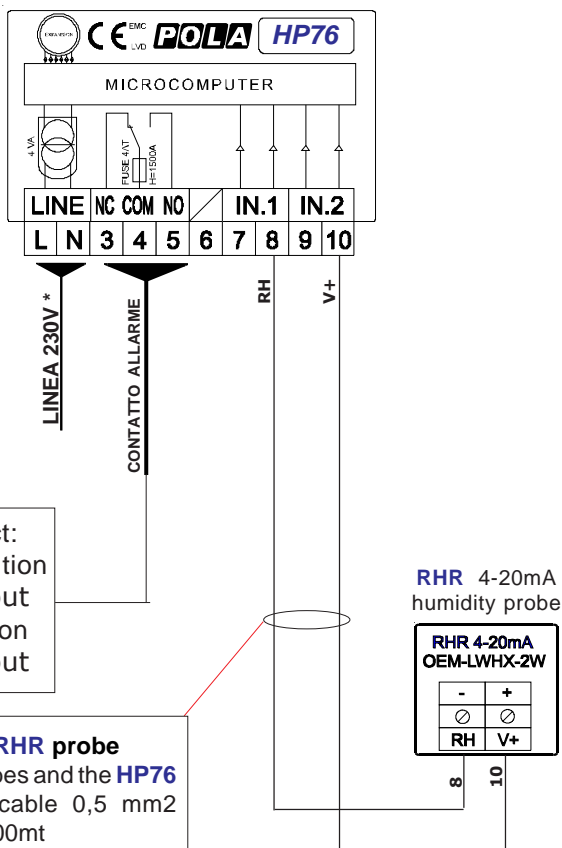


INSTALLATION

How to connect the line

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



Alarm contact:
3-4 are closed for intervention alarm or for black-out
4-5 are open for intervention alarm or for black-out

Warning Connection with RHR probe
To connect the RHR probes and the HP76 module use two-wire cable 0,5 mm² section. Max length = 100mt

Note: Accuracy of time base is 1%. During the black-out, timing is kept in stand-by. (i.e. in case of 1 hour black out, on next days the recording interval will be 24+1 hours).

* Also available with 12V power supply.

When using our HBAT+BA power kit the unit can stand about 10 hours black-out.

RHR sensor cleaning:

- 1> Remove the filter carefully. Make sure the humidity sensor which is inside will be not damaged.
- 2> Clean the filter in a distilled water cup.
- 3> Let the filter to become completely dry. Use an air dryer if necessary.
- 4> Wrap the filter back onto the sensor. Do not touch or damage the humidity sensor.

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.



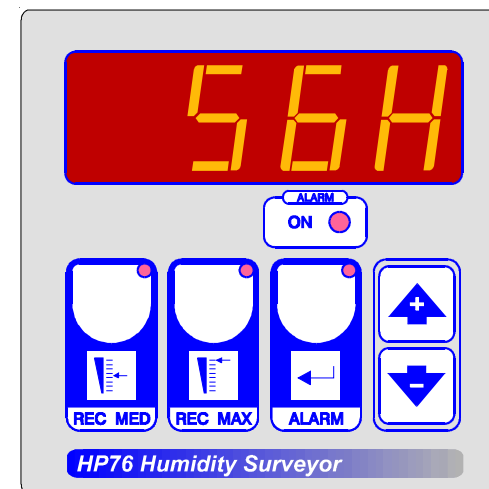
06.05.14

HP76

SL 4.0

Humidity Surveyor

Handbook



HP76 keeps control on the humidity ambient value and records the min/max daily value up to 99 days cycle (and hourly values of the last 60 hours). Afterwards the oldest daily and hourly records are automatically deleted by the new ones. A humidity alarm value can be set so an output contact is activated.

HOW TO SET THE MAX HUMIDITY LEVEL



Press **ALARM** (key lamp flashes):

This message will be displayed instead of the % Rh Set Maximum humidity.

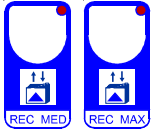
Press + or - to modify. Press **ALARM** to confirm.

H.5 E F

The MAX humidity value alarm intervention is signalled by the blinking of the **ALARM** led (which keeps on blinking during all the alarm delay time).



VIEW MEDIUM/MAXIMUM HUMIDITY DAILY/HOURLY VALUE



Press either the **REC MED** or the **REC MAX** key (key lamp flashes).

Either the **average** or the **maximum** humidity value as recorded in the last 24 hours will be displayed.



Example humidity average=80%



Press the - key to select and display one of the previous days records (max **99**).

The following message will be displayed.

Press **REC MED** to display the average humidity value of the selected day.

Press **REC MAX** to display the max humidity value of the selected day.



Example with 1 day ago



Press the - key to select and display one of the previous hours records (max **60**).

The following message will be displayed.

Press **REC MED** to display the average humidity value of the selected hour.

Press **REC MAX** to display the max humidity value of the selected hour.



Example with 1 hour ago

Note:

Daily recordings are stored up to **99** days.

Hourly recordings are stored up to **60** hours;

afterwards the oldest record is automatically deleted by the new one.

HOW TO ERASE CYCLE RECORDINGS (NEW CYCLE START-UP)



To erase memory keep + key for longer than 3 sec.

Before cleaning the memory a **CLEA** message will be displayed.

HOW TO DISPLAY THE DAY OF CYCLE



Press the - key to display the current day (**d=**) and the current hour (**h=**) of cycle. (on firsts day **d=0**).

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 **REC MAX** 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 **REC MAX** to confirm.

The next system constant will then appear.

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



Mess.	Value	Meaning	Note
t.ALA	0"	Seconds alarm delay time	*
Ad.Hu	0%	Humidity sensor adjustment (- / + 20%)	

* Alarm led is blinking during all the delay alarm time.

MANUAL MODE



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

Power off the processor, push + key and keep it pressed giving power on:

HAnd message will be displayed (release now + key).

Press + (**1** is displayed) and press **REC MAX** to activate relay.

You can press **REC MAX** key for at least two seconds to escape and return to the *Run Mode*.

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

H.SET = 80%

COST value are shown in **COST** paragraph.