



S.L. 6.6

HD40 Handbook

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#### TEMPERATURE SETTING.



Press **AMBIENT** for least 1/2 second:(key lamp flashes): This message will be displayed instead of the °Set ambient temperature value. Press **+** or **-** to modify, press **AMB** to exit.



#### LUMINOSITY SETTING.



Press LUX for least 1/2 second: (key lamp flashes): This message will be displayed instead of the

KLux Set Luminosity.

Press + or - to modify, press LUX to exit.

#### HEAT TEMPERATURE SETTINGS.



Press **HEAT** for least 1/2 second:(key lamp flashes): This message will be displayed instead of the *Set Base-heat temperature value*. Press **+** or **-** to modify, press **HEAT** to confirm.

At this point this messagge will be displayed instead of the Set Help-heat temperature value. Press + or - to modify, press **HEAT** to exit.

#### NIGHT REDUCTION SETTINGS.



Press **NIGHT** for least 1/2 second:(key lamp flashes): This message will be displayed instead of the *Klux Set daily condition value.* Press **+** or **-** to modify, press **NIGHT** to confirm.

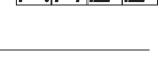
At this point this message will be displayed instead of the *Klux Set night condition value*.

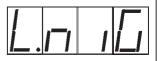
Press + or - to modify, press NIGHT to exit.

#### DEHUMIDIFICATION SETTING.



Press **DEHUM** for least 1/2 second:(key lamp flashes): This message will be displayed instead of the *%Rh set ambient dehumidification value*. Press **+** or **-** to modify, press **DEHUM** to exit.







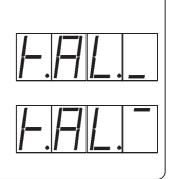


### ALARM SETTINGS.



Press **ALARM** for least 1/2 second:(key lamp flashes): This message will be displayed instead of the *°Set Minimum Alarm temperature value*. Press **+** or **-** to modify, press **ALARM** to confirm.

At this point this message will be displayed instead of the °Set Maximum Alarm temperature value. Press + or - to modify, press ALARM to exit.



### VIEWING TEMPERATURE S (AND HUMIDITY)



Pressing the relative key for at lest 1/2 second (otherwise the function starts to operate in programming) on display will appear (when the key isn't pressed) the obtained temperature of the ambient probe (led of relative key on).

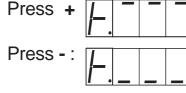
In the case of circuit opening of relative temperature probe on display will appear -O.C.message, for short cirucit -S.C.- message.

The **RIDGE** windows, the **LATERAL** windows and the temperature **ALARM** work with the data of ambient probe, the **SHADE** works with the data of luminosity probe, the **HEAT-HELP** work with the data of Ambient probe (if the Limit probe is connected, to view it press more than 2 seconds the **HEAT** key).

If the Humidity probe is connected, pressing **DEHUM** key for less than 1/2 second (otherwise the function starts to operate in programming) on display will appear (when the key isn't pressed) the obtained humidity of the probe (led **HUM** key on).

### VIEWING TEMPERATURE RECORDING





: will be displayed followed by °Maximum Temperature Recording. will be displayed followed by °Minimum Temperature Recording.

Values recorder are memory permanent stored: for memory clear keep pushed + keys for more than 3 seconds:

**CLEA** messagge will be composed on display before clearing operation.

### CLOCK SETTING



Press together + - **NIGHT** for AT least 1 second; on display will appear *the current Hour and minutes* (release now keys).

Press + or - to program , press **NIGHT** to exit.

#### INSt PROGRAMMING (Installation constants)



These settings refer to the mode of operation of the system and must be made on initial start-up.

Press together -/+/LUX for at least one second: *INSt* message will be displayed. The *INSt* messages are displayed in sequence if you press + to go forward or - to go back.

When you reach the messagge required (see table below) press + or - to set a new value and then **ALARM** to confirm.

The next system constant will then appear.

You can press **LUX** to escape and return to the *Run Mode*.

Mess.	Value	Meaning	
t.ri.1	60"	Seconds total actioning time Ridge 1 window	*1)
t.ri.2	60"	Seconds total actioning time Ridge 2 window	*1)
t.LAt	60"	Seconds total actioning time Lateral window	*1)
t.SHA	1.0"	Minutes (with decimal) total actioning time Shadow window	*1)
S.nig	20.00	Time (hours and minutes) of certain Night start condit.	*2)
E.nig	05.00	Time (hours and minutes) of certain Night end condit.	*2)
d.nig	00.00	Hours and minutes of morning shading delay	*3)
tYPE	=0	Heating type	*4)
A.in.1	<b>0.0</b> °	°C correction Environmental temperature probe	*5)
A.in.2	<b>0.0</b> °	°C correction Soil temperature probe	*5)
A.in.3	<b>0.0</b> °	°C correction Limit temperature probe	*5)
A.in.4	1.00N	Multlipicative factor of humidity probe correction	*5)
A.in.5	0%	Klux correction Luminosity probe	*5)

\*1) This time can be used to obtain the sure closing of the different windows, the different percentages of opening and closing of the windows programmed in **COSt** referred to these times.

- \*2) Inside of these two times the **NIGHT** condition is certainly inserted, thet normally can be obtained by the luminosity programmed with the **NIGHT** key.
- \*3) At the end of NIGHT condition (see \*2) the reduction of night heating is immediately connected (see COSt, red.n function), while the programmed opening of shading(see COSt, On.Lu and OF.Lu function) is delayed of this time.
- \*4) *tYPE=0*: the base heating works with the soil probe and the limit probe is present. The limit function operates in a proportional way on the cold of the base heating (see COSt , function *t.Lin, bC.Li*, *On.Li*, *OF.Li*).
  - *tYPE=1*: the base heating works with the environmental probe and the limit probe is not present.
  - *tYPE=2*: the base heating works with the environmental probe and the limit probe is present. The limit function operates in this way: when the *t.Lin* limit temperature is exceed the programmed set on the base heating diminishes (setted under HEATkey, *t.BAS* function) of *dE.Li* value (see COSt).
- **\*5)** You can correct the readings on the sensor (+ or -).

#### COSt PROGRAMMING (System constants)



These settings refer to the mode of operation of the system and must be made on initial start-up. Press together -/+/AMBIENT for at least one second: the message *C.O.S.t.* will be displayed. The COST messages are displayed in sequence if you press + to go forward or - to go back. When you reach the messagge required (see table below) press ALARM to confirm: set value of this variable will be displayed.

Press + or - to set a new value and then **ALARM** to confirm: the next system constant will then appear.

You can press **AMBIENT** to escape and return to the *Run Mode*.

r.CO.1       0.0         r.CO.2       0.0         r.LAt       0.0         nb.ri       0.2         bC.ri       5.0         bO.ri       5.0         On.ri       1.0         OF.ri       60.0         nb.LA       0.2         bC.LA       5.0         bO.LA       5.0         ON.LA       1.0         OF.LA       60.0         P.u.LA       0%	<ul> <li>°C shift set Ridge 2 referred to t.SEt</li> <li>°C shift set Lateral referred to t.SEt</li> <li>°C neutral band Ridge 1 and Ridge 2</li> <li>°C modulation band of closing Ridge 1 and Ridge 2</li> <li>°C modulation band of opening Ridge 1 and Ridge 2</li> <li>°C modulation band of opening Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in On Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in Off Ridge 1 and Ridge 2</li> <li>°C Lateral neutral band</li> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*1) *1) *2) *2) *2) *2) *2) *2) *2) *2)
r.LAt       0.0         nb.ri       0.2         bC.ri       5.0         bO.ri       5.0         On.ri       1.0         OF.ri       60.0         nb.LA       0.2         bC.LA       5.0         DO.LA       5.0         OF.LA       60.0         P.u.LA       0%	<ul> <li>°C shift set Lateral referred to t.SEt</li> <li>°C neutral band Ridge 1 and Ridge 2</li> <li>°C modulation band of closing Ridge 1 and Ridge 2</li> <li>°C modulation band of opening Ridge 1 and Ridge 2</li> <li>°C modulation band of opening Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in On Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in Off Ridge 1 and Ridge 2</li> <li>°C Lateral neutral band</li> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*1) *2) *2) *2) *2) *2) *2) *2) *2)
nb.ri       0.2         bC.ri       5.0         bO.ri       5.0         On.ri       1.0         OF.ri       60.0         nb.LA       0.2         bC.LA       5.0         bO.LA       5.0         On.LA       1.0         OF.LA       60.0         P.u.LA       0%	<ul> <li>°C neutral band Ridge 1 and Ridge 2</li> <li>°C modulation band of closing Ridge 1 and Ridge 2</li> <li>°C modulation band of opening Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in On Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in Off Ridge 1 and Ridge 2</li> <li>°C Lateral neutral band</li> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*2) *2) *2) *2) *2) *2) *2)
bC.ri       5.0         bO.ri       5.0         On.ri       1.0         OF.ri       60.0         nb.LA       0.2         bC.LA       5.0         bO.LA       5.0         On.LA       1.0         OF.LA       60.0         P.u.LA       0%	<ul> <li>°C modulation band of closing Ridge 1 and Ridge 2</li> <li>°C modulation band of opening Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in On Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in Off Ridge 1 and Ridge 2</li> <li>'C Lateral neutral band</li> <li>'C modulation band of closing Lateral</li> <li>'C modulation band of opening Lateral</li> </ul>	*2) *2) *2) *2) *2) *2)
bO.ri         5.0           On.ri         1.0           OF.ri         60.0           nb.LA         0.2           bC.LA         5.0           bO.LA         5.0           OR.LA         1.0           OF.LA         60.0           P.u.LA         0%	<ul> <li>°C modulation band of opening Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in On Ridge 1 and Ridge 2</li> <li>'Seconds actioning time in Off Ridge 1 and Ridge 2</li> <li>°C Lateral neutral band</li> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*2) *2) *2) *2) *2)
On.ri         1.0           OF.ri         60.0           nb.LA         0.2           bC.LA         5.0           bO.LA         5.0           On.LA         1.0           OF.LA         60.0           P.u.LA         0%	<ul> <li>Seconds actioning time in On Ridge 1 and Ridge 2</li> <li>Seconds actioning time in Off Ridge 1 and Ridge 2</li> <li>°C Lateral neutral band</li> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*2) *2) *2) *2)
OF.ri         60.0           nb.LA         0.2           bC.LA         5.0           bO.LA         5.0           On.LA         1.0           OF.LA         60.0           P.u.LA         0%	<ul> <li>Seconds actioning time in Off Ridge 1 and Ridge 2</li> <li>°C Lateral neutral band</li> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*2) *2) *2)
nb.LA         0.2           bC.LA         5.0           bO.LA         5.0           On.LA         1.0           OF.LA         60.0           P.u.LA         0%	<ul> <li>°C Lateral neutral band</li> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*2) *2)
bC.LA         5.0           bO.LA         5.0           On.LA         1.0           OF.LA         60.0           P.u.LA         0%	<ul> <li>°C modulation band of closing Lateral</li> <li>°C modulation band of opening Lateral</li> </ul>	*2)
bO.LA         5.0           On.LA         1.0           OF.LA         60.0           P.u.LA         0%	°C modulation band of opening Lateral	
On.LA         1.0           OF.LA         60.0           P.u.LA         0%		
OF.LA         60.0           P.u.LA         0%	Seconds actioning time in On Lateral	*2)
P.u.LA 0%		*2)
	Seconds actioning time in Off Lateral	*2)
		*3)
P.r.LA 0%	% of opening Lateral with RAIN intervention (100=excluded)	*3)
<u>nb.Lu</u> 5.0	0	*3)
<i>On.Lu</i> 1.0	51 5	*3)
<i>OF.Lu</i> 60.	610	*3)
<i>OP.Lu</i> 0.0		*3)
<i>CL.Lu</i> 0.0		*3)
PC.Lu 0%		*3)
<i>rEd.H</i> 0.0	<b>_</b> //	*2)
nb.Hb 0.2	0	*2)
<i>bH.Hb</i> 5.0		*2)
<i>bC.Hb</i> 5.0	5	*2)
<i>On.Hb</i> 1.0		*2)
<i>OF.Hb</i> 60.0		*2)
nb.Hh 0.2		*2)
<i>bH.Hh</i> 5.0		*2)
<i>bC.Hh</i> 5.0		*2)
<i>On.Hh</i> 1.0		*2)
OF.Hh 60.	Seconds actioning time in off Help heating	*2)

Continue

Mess.	Value	Meaning	Nota
t.Lin	<b>50.0°</b>	°C Limit temperature set of soil heating	*3)
bC.Li	<b>5.0°</b>	°C modulation band Limit	*2)
On.Li	1.0"	Seconds actioning time in on Limit	*2)
OF.Li	60.0"	Seconds actioning time in off Limit	*2)
dE.Li	0.0"	°C set decrement Heating Base with present Limit	*3)
P.ri.r	0%	Percentage ridge opening with present RAIN condition	*3)
<i>t.dE.1</i>	0.0"	Seconds of delay time anemometer / pluviometer intervention	*3)
<i>t.dE.</i> 2	0.0"	Seconds of delay time anemometer / pluviometer and intervention	*3)
On.dE	60"	Seconds of on Heating time in dehumidification	*3)
OF.dE	60"	Seconds of stop Heat/Flap time in dehumidification	*3)
On.CO	60"	Seconds of ridge opening time in dehumidification	*3)
PC.CO	20%	Percentage ridge opening in dehumidification	*3)
On.Sh	60"	Seconds of shade opening time in dehumidification	*3)
PC.Sh	20%	Percentage shade opening in dehumidification	*3)

\*1 These sets are relative sets refferred to the temperature set on **AMBIENT** key (*t.SEt* function).

For example if you set *r.CO.1=-2.0*, Ridge 1 set = -2.0°C reffered to **t.SEt** setting.

- \*2 See Operative Diagrams.
- \*3 See Operative Diagrams.

#### **PRESET PROGRAMS** (Bootstrap)



At delivery this processor is ready programmed with the following (variable) settings.

To return to these settings at any time.

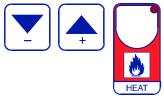
Press + / - / ALARM keys together for at least one second:

*t*.SEt= 25.0° *L.SEt*= 50.0L *t.bAS*= 20.0° *t.HEL*= 18.0° L.nlg = 0.1L*AL.*\_\_=15.0° L.dAY = 0.5LH.dEu= 90% *AL- -=* 40.0°

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

#### MANUAL MODE

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



Press + / - / HEAT keys together for least one second: **HAnd** messagge will be displayed (release now + key). Push + until is displayed number required to be handed (see table relays "N° Relay ") and push ALARM for activing relay.

Pushing again + for increase relay number previous relay is disactivated. You can press **HEAT** to escape and return to the Run Mode.

### STATUS INDICATION LAMPS

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

Led	Actioning	N° Relay	Cont	acts
RIDGE LEFT	Led flashing : Ridge left closed on	HD40-1 (N.1)	HD40	3-4
"	Led continuous : Ridge left open on	HD40-2 (N.2)	HD40	5-6
<b>RIDGE RIGHT</b>	Led flashing : Ridge right closed on	HD40-3 (N.3)	HD40	7-8
"	Led continuous : Ridge right open on	HD40-4 (N.4)	HD40	9-10
LATER	Led flashing : Lateral closed on	HD40-5 (N.5)	HD40	11-12
"	Led continuous : Lateral left open on	HD40-6 (N.6)	HD40	13-14
SHADE	Led flashing : Shade closed on	HDY6-1 (N.7)	HDY6	3-4
"	Led continuous : Shade left open on	HDY6-2 (N.8)	HDY6	5-6
HEAT BASE	Led flashing : HEAT Base-Heating on	HDY6-3 (N.9)	HDY6	7-8
"	Led continuous : COOL Base-Heating on	HDY6-4 (N.10)	HDY6	9-10
HEAT HELP	Led flashing : HEAT Help-Heating on	HDY6-5 (N.11)	HDY6	11-12
"	Led continuous : COOL Help-Heating on	HDY6-6 (N.12)	HDY6	13-14
ALARM	Temperature alarm on	HPAL-2 (N.14)	HPAL	7-8
NIGHT	Night condition on			
RAIN	Pluviometer signal on			
WIND L	Wind 1 (Left) signal on			
WIND R	Wind 2 (Right) signal on			

#### PARTICULAR CONDITIONS OF WORKING

With conditions of normal working the window of ridge and lateral, the base heating and of help are actioned in floating - proportional (see *Operative Diagrams*) way according to the temperature obtained from its temperature probe, the shading can be regulated according to the survey of the luminosity probe; with the conditions under explained the normal working is left.

**A)** When the pluviometer intervenes (inserted **RAIN** condition) this type of working operates:

- The ridge window s (**RIDGE**) close completely (see **InSt**, *t.ri.1* and *t.ri.2* function) to open then of a percentage (see **COSt** *P.ri.r* function) and can stay in this position (\*1) till the pluviometer intervention remains.

- The lateral windows (LATER) close completely (see InSt, *t.LAt* function) to open then of a percentage (see COSt, *P.r.LA* function) and can stay in this position till the pluviometer intervention remains.

The working of lateral window can be programmed in a way (P.r.LA = 100) that cannot undergo any changes when the anemometer intervenes, but they can still go on working according to the servey of the environment temperature.

**B)** When the anemometer intervenes (**WIND L or WIND R**) this type of working operates:

- The ridge left windows (**RIDGE 1**) closes completely till the wind left signal remains.

- The ridge right windows (**RIDGE 2**) closes completely till the wind right signal remains.

- The lateral windows (LATER) close completely to open then of a percentage (see **InSt** *t.LAt* function) and can stay in this position (\*1) till the anemometer intervention remains.

The working of lateral window can be programmed in a way (P.u.LA = 100) that cannot undergo any changes when the anemometer intervenes, but they can still go on working according to the servey of the environment temperature.

**C)** During the night phase (obtained by *L.niG* setting and it can be executed under **NIGHT** key and in any case by another timer limit of inserction, see **InSt** *S.Nig* function, this type of working operates:

- The heating night reduction is connected (see COSt, rEd.H function).

- The shading (SHADE) closes completely (night thermal shade).

- When the night condition ends (determined from the statement *L.dAy* praticable under the **NIGHT** key and in any case from a limit time of inserction, see **InSt**, *E.Nig* function) the heating night reduction is not connected, while the shading **SHADE** waits for a time (see **Inst**, *d.nig* function) to open then at impulses (see **COSt**, *On.Lu* and *OF.Lu* function).

During the day the closing can work without impulses and can have a limit in percentage (see COSt , *PC.Lu* function) if it is required by the luminosity probe.

The opening and closing working according to the daily luminosity change has a delay of a certain time (see **COSt**, **OP.Lu** and **CL.Lu** function).

**D)** During the dehumidification phase (obtained by *H.dEu* setting and can be executed under **DEHUM** key), the **DEHUM** lamp flashes in order to show the dehumidification cycle that is working (the humidity obtained inside excees the desired one) and this type of working operates:

- **By day**: ridge and lateral windows close completely to open then the ridges of a percentage (**PC.Co**) for a time period (**On.Co**) after that they open the ridges and after a time period (**Of.dE**) they switch on the heating of help for a certain time(**On.dE**), after that they switch off it and wait for a certain time (**OF.dE**).

- **By night**: ridge and lateral windows close completely, the shading opens of a percentage (**PC.Sh**) for a time period (**On.Sh**) after that the shading closes and repeats the preceding opening cycle, after that the same dehumidification cycle is included as explained by day condition.

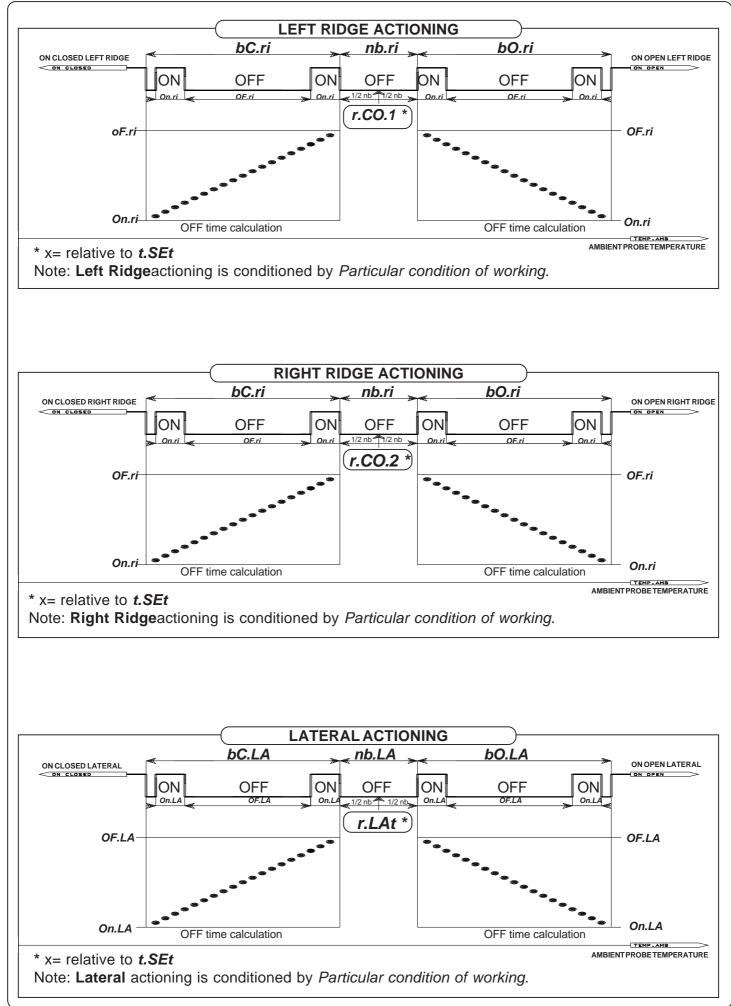
- The dehumidification cycle remains till when the dehumidification condition **DEHUM** is inserted. If one of the ridge or lateral windows is going to open, the dehumidification condition is not inserted.

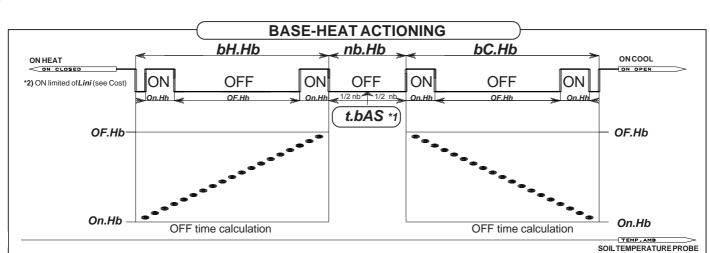
- E) The base heating working (BASE) can be done with three different ways (see INSt, tYPE function; anyway it works in a proportional way till when the limit probe operates):
   tYPE=0: the base heating works with the soil probe and the limit probe is present. The
  - limit function operates in a proportional way on the cold of the base heating (see COSt bC.Li, 0n.Li, OF.Li function).
  - *tYPE=1*: the base heating works with the environmental probe and the limit probe is not present.
  - tYPE=2: the base heating works with the environmental probe and the limit probe is present. The limit function operates in this way: when the limit temperature is exceed (*t.Lin*) the programmed set on the base heating (programmed under HEATkey, *t.BAS* function) diminishes del valore *dE.Li* (see COSt). The heating is reduced during the night phase (NIGHT).

(\*1) During these conditions if the relative ambient temperature goes under the programmed value (*t.SEt r.CO.1* for left windows of the ridge, *t.SEt r.CO.2* for right windows of the ridge, *t.SEt r.LAt* for Lateral windows) the relative windows can be completely closed till the temperature isn't rising again (during this phase the lamp of closing windows flashes).

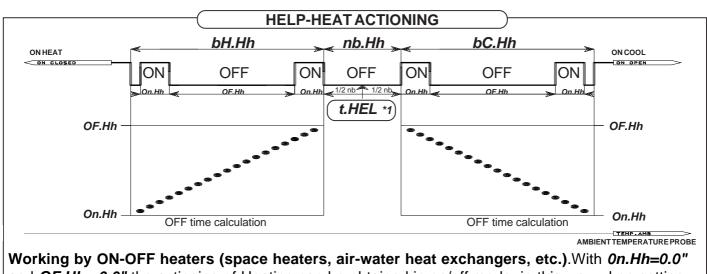
N.B. If it happens that at the same time tha anenometer and the pluviometer intervene, priority will be given to wind condition (anemometric intervention).

#### **OPERATIVE DIAGRAMS**





Note: during the **NIGHT** phase the Heating set changes (see **COSt** , *rEd.h* function). The Max. temperature of the water is limited by *t.Lin* setting (see **Cost**), that is obtained with Limit probe.



working by ON-OFF heaters (space heaters, air-water heat exchangers, etc.). With  $On.Hn=0.0^{-n}$  and  $OF.Hh = 0.0^{-n}$  the actioning of Heating can be obtained in on/off mode: in this way when setting i.e. *t.HEL*= 18.0° *nb.Hh*= 0.0 *bH.Hh*= 0.2° the Help Heating will be switched on at 17.8° and switched off at 18.0°.

In case of On-Off working the led is blinking during the working of the heating. To avoid misunderstanding on the led functionning we advise to set *bC.Hh*=50.0°.

- \*1) During **NIGHT** phase this set is substracted of the night reduction value that is programmed in **COSt** , *rEd.h* function.
- \*2) When the obtained temperature of Limit probe exceeds the programmed *t.Lin* value (see **Cost**) you have to operate in this way:
  - *tYPE=0*: the base heating works with the soil probe and the limit probe is present. The limit function operates in a proportional way on the cold of the base heating (see COSt, function *t.Lin, bC.Li*, *0n.Li*, *0F.Li*).
  - *tYPE=1*: the base heating works with the environmental probe and the limit probe is not present.
  - *tYPE=2*: the base heating works with the environmental probe and the limit probe is present. The limit function operates in this way: when the *t.Lin* limit temperature is exceed the programmed set on the base heating diminishes (set under HEATkey, *t.BAS* function) of *bC.Li* value (see COSt).

#### **INSTALLATION**



#### How to connect the sensors

Connect the sensor provided 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

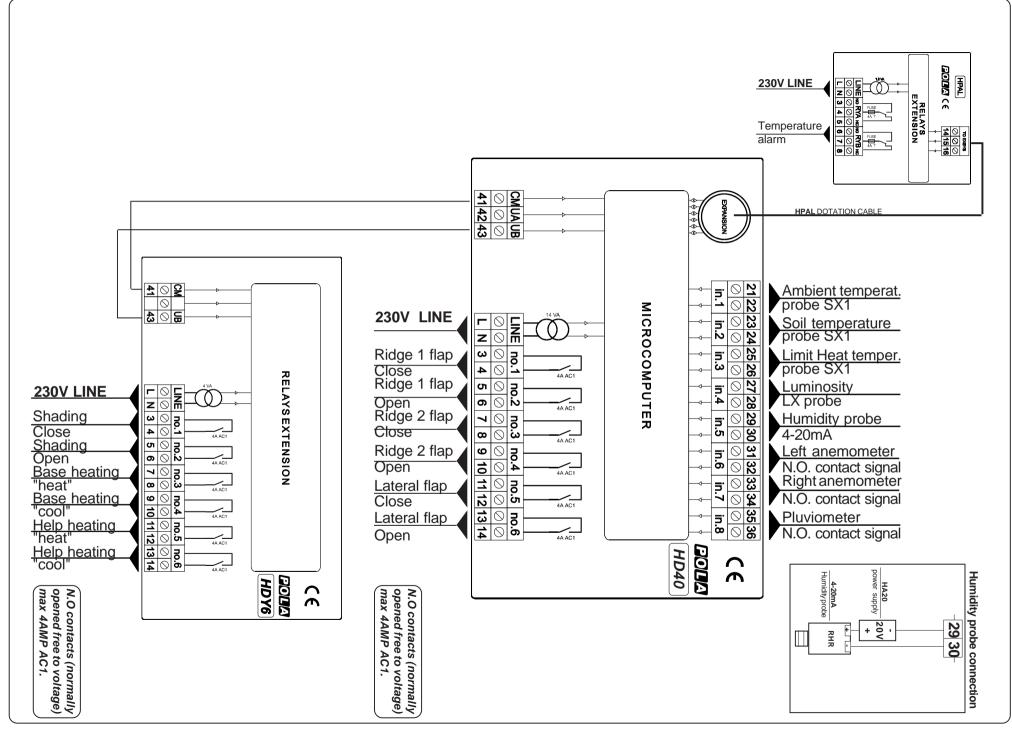
Don't use one-polar wire for the connection of the sensor !

#### How to connect the line

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

#### How to connect the contacts

Output **3-4.....13-14** contacts are N.O. (Normally Opened free of voltage) on wich is apliable a 4AMP AC1 maximum load.



-' -4

Power supply	
Line voltage	220-240Vac
Frequency	50/60Hz
Cabinet	
Material	PVC
Dimensions	144x98x77mm
Weight	KG 0,8
Protection degree	IP20
Outputs	
Maximum relay contacts load	4A AC1
Serial output	TTL 2400 baud
Inputs	
Probe measuring range	-50.0+115.0° <sup>c</sup>
Instrument precision	0.2 <sup>°C</sup>
Temperature probe reading precision	0.2° <sup>C</sup>
Temperature setting range	-50.0+115.0° <sup>c</sup>
Probe connection	2 wire without screen
Humidity probe signal	4-20mA
Temperature range	
Operatibility	-10+40 <sup>°</sup> C
Storage	-40+85° <sup>C</sup>

# **C E** DECLARATION OF CONFORMITY

**PODA**<sup>®</sup> declares that your **HD40** model is conform to following European normatives:

## EN 50081-1 (1992) (Emission) EN 50082-2 (1995) (Immunity)

referred to directive **EE 89/336** and subsequent **92/31** about electro-magnetic compatibility (**EMC**)

and it is conform to directive **EEC 72/23** and subsequent **EEC 93/68** about low voltage safety (**LVD**).

Measure was performed by an ACCREDITATED COMPETENT BODY.

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

