INSTALLATION

How to connect the sensor
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.
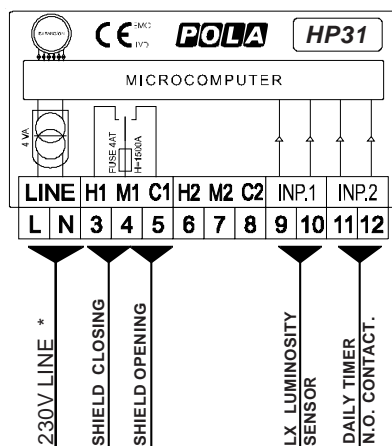
How to connect the line
Connect line on terminals **L-N**.
Protect supply with adequate fuse.

How to connect the contacts
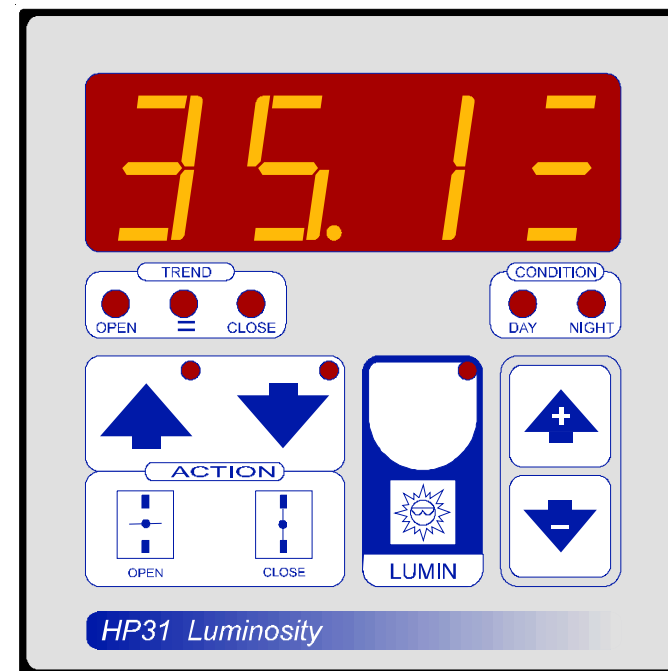Connect terminals on the terminal block (contacts up to 4AMP.AC1).

* Other power voltage if you required

HP31
SL 3.0
Luminosity Controller

Handbook

MAIN SETTINGS *(Run Mode)*

LUMINOSITY SETTING.
Press **LUMIN** (key lamp flashes)**:**
This message will be displayed instead of the *Luminosity value (K.Lux)*.
Press + or - to modify. Press **LUMIN** to confirm.

Example with **L.SEt = 50.0L**

Attention: the reading of luminosity probe is only indicative.
Verify only with one precision luxometer the real reading of correspondence.

21.12.12

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 **LIMIN** 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 **LUMIN** to confirm.
The next system constant will then appear.
You can press **LUMIN** for at least 2 seconds to exit and return to the Run Mode.

Mess.	Value	Meaning	Note
n.b	5.0L	% neutral range	*1)
b.CLO	0.0L	% closed modulation band	*1)
b.OPE	50.0L	% open modulation band	*1)
t.on	1.0"	on time in seconds	*1)
t.oF	99.9"	off time in seconds	*1)
Ad.LU	1.00n	Correction multlipicative factor (coefficient) luminosity probe	*2)

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

***2)** You can correct the readings on the various sensors (**+** or **-**).

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 **LUMIN** key and keep it pressed giving power on: **boot** message will be displayed (release now **LUMIN** key).
L.SEt = 50.L.
The COSt values are shown in COSt Programming

MANUAL MODE

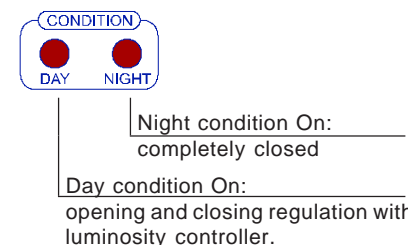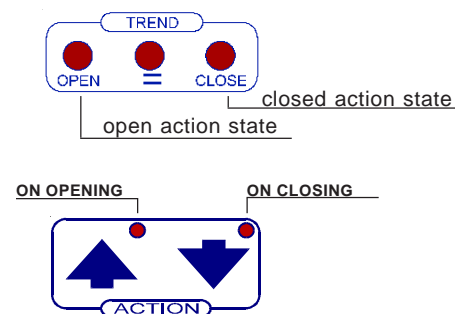In some start-up conditions may be useful to work in "manual" mode:
Power off the processor, press **+** key and keep it pressed giving power on: **HAnd** message will be displayed (release now **+** key).
Press **+** (**1** is displayed) and press **LUMIN** to activate relay.
You can press **LUMIN** key 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.

closed action state
open action state

ON OPENING   **ON CLOSING**

Night condition On:
completely closed

Day condition On:
opening and closing regulation with luminosity controller.

OPERATIVE DIAGRAM