

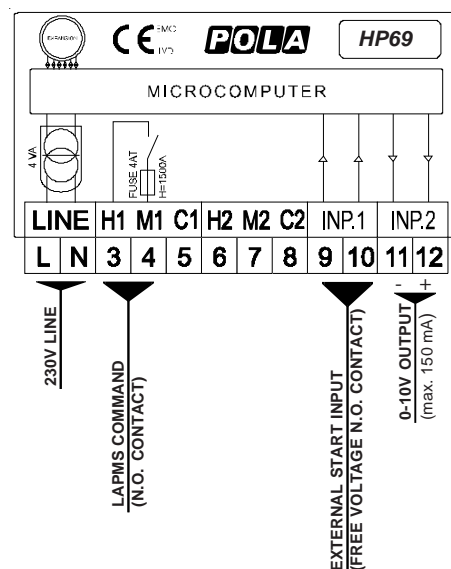
## INSTALLATION

### Line connection

Connect 230V power 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)

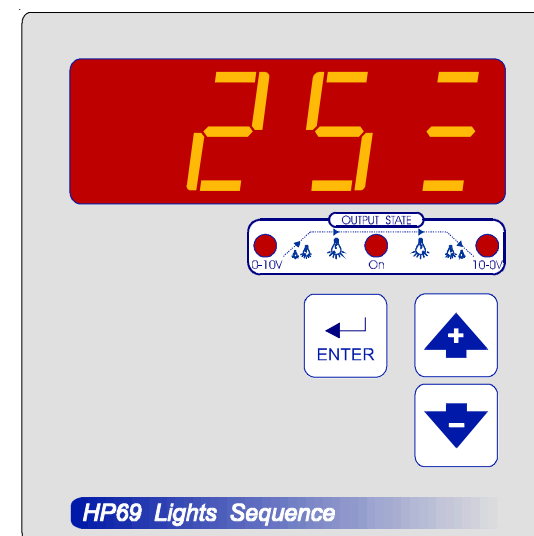


# HP69

SL 4.0

0-10V light control

Handbook



**HP69** allows you to operate an output in 0-10V regulation with an ascending ramp and one descending: the start signal (start signal closed) powers up the ascending ramp that maintains the output value until the start of the descent ramp (start signal open). Furthermore below the set minimum % set of brightness the relay turns completely the lamps off.

## 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 then repeatedly **ENTER** 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 **ENTER** to confirm.

The next system constant will then appear.

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

Mess.	Value	Meaning	Note
<b>Mini</b>	<b>10%</b>	% Set minimum brightness	*
<b>MASS</b>	<b>100%</b>	% Set maximum brightness	*
<b>rA.on</b>	<b>5'</b>	Ramp up time (minutes)	*
<b>rA.oF</b>	<b>15'</b>	Ramp down time (minutes)	*

\* For more details see *Operating Diagrams*.

## MANUAL MODE

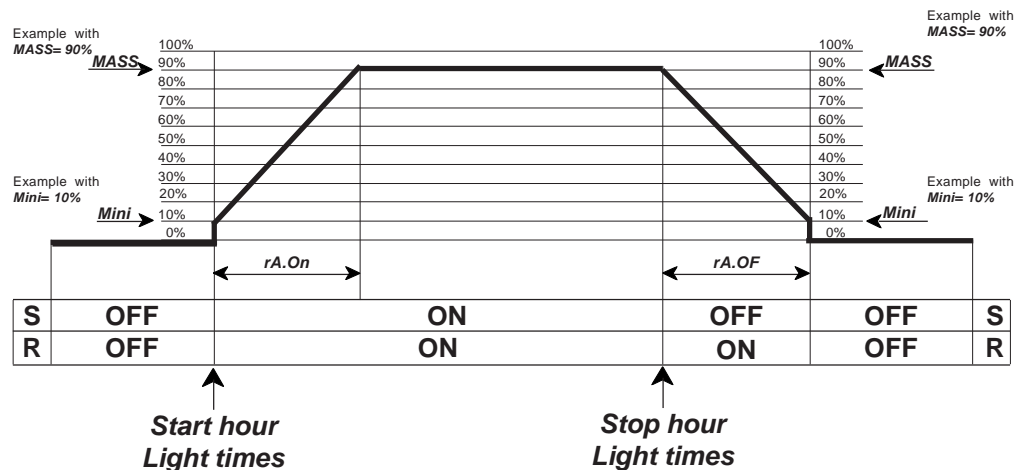


In some start-up conditions may be useful to work in "manual" mode: Power off the processor, press + key and keep it pressed giving power on: **HAnd** message will be displayed (release now + key).

Press the + button until the display shows the message --- **1** , after that press **ENTER** to activate relay 1 (press SET again to turn it off) press the + key until the display shows the message --- **2** , after that press **ENTER** to activate the 10V output (press **ENTER** again to turn it off).

You can press **ENTER** key for a least two seconds to escape and return to the *Run Mode*.

## OPERATIVE DIAGRAMS



**S** = start external contact input - lamps signal start (clean contact)

**R** = relay control neon On / Off lamp

**Note:** After a blackout if the external start signal is closed 10V are dispensed without ramp, if the contact is open, 0V are provided without descent ramp.