SUNSET RELAY
I-41

TECHNICAL CHARACTERISTICS

Voltage	230 VAC.
Consumption	3 W.
Minimum Load at Output	50 W.
Maximum Load at Output	250 W.
Minimum Detection Level	25 Lux.
Maximum Detection Level	130 Lux.

The I-41 module, thanks to an incorporated detector, will activated the output when he do not receive enough light.
It is supplied by 230 VAC and its sensitivity could be adjusted using a potentiometer inserted in the PCB .

OPERATION

POWE R SUPPLY: The I-41 circuit had to be supplied by a 230 VAC power supply correctly filtered. To obtain a correct operating of the module, we suggest you to insulate it from mains interference using a 230 VAC .
Using a correct plug and an electric cable, connect it to the 230 V input terminal as it is indicated in the "general wiring map". Place also a fuse and a switch. Both are necessary to obtain a correct protection of the module and for your own safety, as it is indicated in CE regulations. Then, verify that the assembly have been correctly done.
Before activate the switch supplying the module, made all connections described hereafter. Do not forget that in several points of the module, there are 230 VAC, then we recommend you to carefully assemble and manipulate the module.

OUTPUT. CONNECTION OF THE LOAD: The module only accept resistive loads as lamps, resistors, etc.... Do never apply inductive loads.
To connect the output, connect lamp/s or wished load to the indicated terminal in the "general wiring map".

OPERATING: When all input and output connections are done and verified, activate the switch supplying the module. Therefore if you manipulate the detector, you could verify that when the detector do not receive light it will activate the output.
The I-41 circuit offer the possibility to adapt the module's sensitivity according to the received light. To determinate this sensitivity you had to adjust the potentiometer according to your needs. Placing it at the minimum the circuit will lose sensitivity and need more darkness to be activated. If you place the potentiometer at the maximum, the module will earn sensitivity and it need less darkness to be activated.
If you had to place the I-41 module at the autside (bad weather) you had to fit the module into a waterproof box to protect module and detector. If you have to separate circuit and detector, use cable with length tess than 20 cm.

GENERAL WIRING MAP