

INTRODUCTION

This note contains all the instructions and precautions for safe set up and optimal use of product.

Warning: we are not responsible if items below would not be respected and in this case, TPL Vision's guarantee could not be applied for this product.

SAFETY AND OPERATING INFORMATION

Class III product

Produit IP20

Operating temperature 0°C à 40°C

Power supply 24VDC+/- 10%, if this is not respected, you may damage the product and/or the user may be electrocuted

Observe the power supply voltages and terminal plug in

Do not modify the product even partially

Do not clean while operating

Do not cover with a heat insulation or do not lock in a sealed area



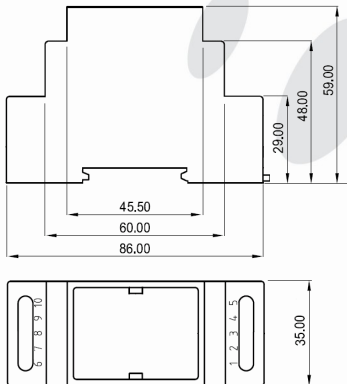
PACKAGING / SHIPPING / RECEPTION

The product is packaged in our factory using appropriate boxes and packages. They are made to avoid any damages by means of regular transportation.

However a damaged parcel should be reported to the carrier upon receipt and stated officially at its reception (as a "reserve"). Then, please report by writing to TPL VISION as soon as possible. (at least within 24 hours after the package reception). Any package damaged during transportation will not be taken back or replaced if it has not been reported on the travel voucher and to TPL VISION on time.

When you open the bag containing the product, any cutting blade should be avoided so as not to damage the product.

All accessories included in the package must be used if necessary (do not use other products or equivalent to replace the accessories supplied).



MECHANICAL INSTALLATION

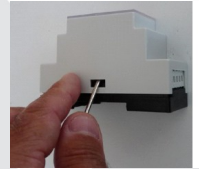
The product must be installed when is not electrically connected.
DIN rail mounting.

ELECTRICAL WIRING

- 1- Turn off overall system 24 VDC power supply
- 2- Make all connections (power off) regarding diagram overleaf

OPENING THE BOX:

Slide a screwdriver in the slot (see photo).
Make 1/4 of a turn to clear the block dip of the base. The box is then easily separated from its base.



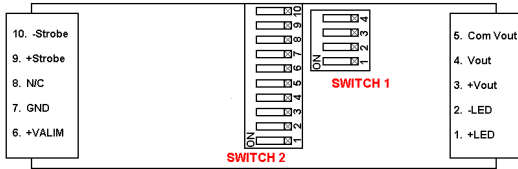
CLEANING (PRODUCT TURNED OFF):

Use a soft, dry cloth.

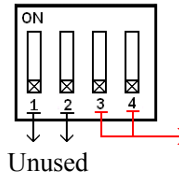
Do not use solvents or chemicals.

Do not use abrasive cleaning products.

SETTINGS:



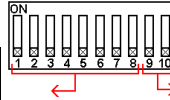
Current settings SWITCH 1:



3	4	Current
OFF	OFF	350 mA
ON	OFF	700 mA
OFF	ON	700 mA
ON	ON	1 A

Pulse setting SWITCH 2:

1	2	3	4	5	6	7	8	Pulse
ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	5 ms
OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	10 ms
OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	20 ms
OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	40 ms
OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	80 ms
OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	160 ms
OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	320 ms
OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	640 ms
ON	ON	ON	ON	ON	ON	ON	ON	Adjust



Interrupter 9: -ON = Camera output active at high state
-OFF = Camera output active at low states

Interrupter 10: -ON = Trigger on rising edge
-OFF = Trigger on falling edge

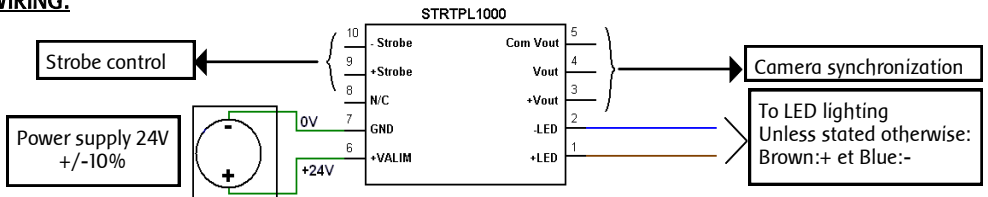
Adjust mode: 2 min lighting for the first trigger

Combine the interrupters in way to make the sum of the pulse time equal to the desired pulse time.

Adjustable from 5 ms to 1000ms in steps of 5 ms.

Ex: Desired value = 90ms => 90 = 80 + 10 => So interrupters 2 & 5 ON and the others from 1 to 8 OFF.

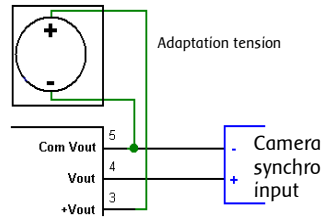
WIRING:



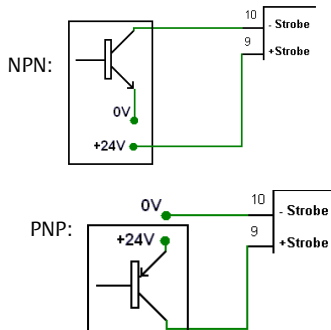
Camera synchronization :

2 ms after activation of lighting, output Vout switches to activate state. It allows to synchronize the image capture when the light reaches its maximum intensity.

Input + Vout adjusts high level of output Vout to match the specifications of the camera.



Strobe control by PNP or NPN output:



CHRONOGRAMS:

Setting examples:

Pulse time: 20ms
State active output : High
Activation edge: rising

