

## Installation and User Guide

# PAD1 1131/8 – Strobe mode LED Control Unit, single channel, 8A

### Specifications

Power supply	24V DC ( $\pm 10\%$ ), 0.6A max*
Light Output	8A** max
Strobe Pulse Width (SPW)	50 to 1500 $\mu$ s
Trigger frequency	50Hz max***
Protection class	IP30
Storage humidity	Max. 80%
Operation temperature	0°C....+55°C
Storage temperature	-40°C....+80°C

\*) Average current at full load: 8A output current, SPW 1.5ms and trigger frequency 50Hz.

\*\*) Pulsed constant current drive.

\*\*\*) at full load: 8A output current, SPW 1.5ms and  $T_{amb}$  20°C.

Higher trigger frequency allowed at other operating conditions.



Power/trigger connections	Control unit DB9 con.	
24V DC	Pin 1, 2	(Yellow)*
0V	Pin 3, 4	(Brown)*
Trigger +	Pin 8	(Green)*
Trigger -	Pin 9	(White)*

Optional Power/trigger cable, part no: LKA1 1081\*

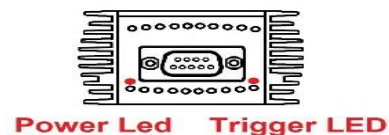
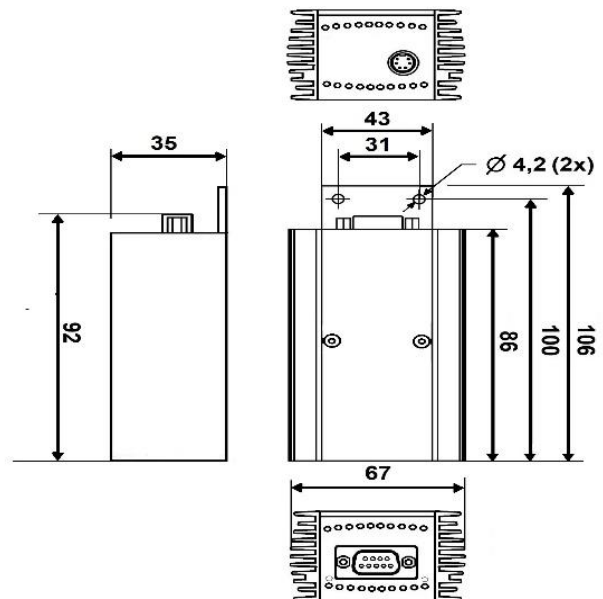
Trigger input: optically isolated – see fig 2.

Range: 5-24V DC, max 20mA.

### Light connector:

Pull back the spring-loaded housing before connecting and disconnecting.

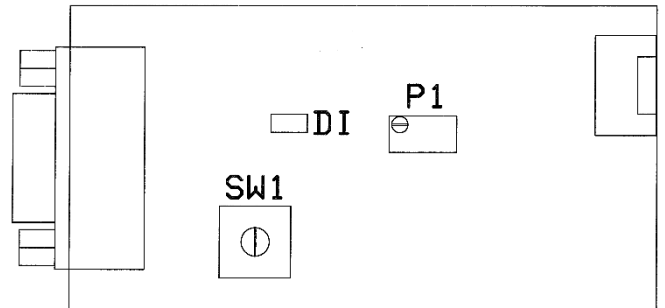
### Mechanical dimensions



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**Adjustable settings – remove top cover (2 x TX10 screws) to access controls:**

Feature	Description	Factory setting
Light intensity (LI)	P1: 0-100%	100%
Strobe pulse width (SPW)	50µs-1500µs	1500µs
Double Intensity mode (DI)*	P1 setting x2	SW1 = "F"



### Light intensity:

Lower the light intensity by turning P1 anti-clockwise and vice versa.

### Pulse width:

The strobe pulse width can be set from 50µs to 1500µs by SW1. See table below.

### Double Intensity:

Some vision applications need an extra boost of the light intensity. Install jumper DI to double the intensity setting of P1. However, the strobe pulse width will automatically be limited to max 100µs to avoid damaging the light.

**Table for SW1 strobe pulse width setting:**

SW1 setting	µsec
0	50
1	100
2	150
3	200
4	250
5	300
6	400
7	500
8	600
9	700
A	800
B	900
C	1000
D	1100
E	1200
F	1500

Fig 2.

