

### Installation and User Guide

# PAD1 1131/24 – Strobe mode LED Control Unit, single channel, 24A

### **Specifications**

Power supply	24V DC (±10%), 1A* max
Light Output	24A** max
Strobe Pulse Width (SPW)	50 to 1500µs
Trigger frequency	15Hz max***
Protection class	IP30
Operation temperature	0°C+55°C
Storage temperature	-40°C+80°C
Storage humidity	Max. 80%
Power output	Max. 24A

\*) Average current at full load: 24A output current, SPW

1.5ms and trigger frequency 15Hz.

\*\*) Pulsed constant current drive.

\*\*\*) at full load: 24A output current, SPW 1.5ms and  $T_{\text{amb}}$  20°C.

Higher trigger frequency allowed at other operating conditions.

Power/trigger	Control u	nit
connections	DB9 con.	
24V DC	Pin 1, 2	(Red)*
0V	Pin 3, 4	(Black)*
Trigger +	Pin 8	(White)*
Trigger -	Pin 9	(Brown)*
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\*) Optional power/trigger cable, part no: LKA1 1181

Trigger input: Optically isolated – see Fig 2. Range: 5-24V DC, 20mA

### Light connector:

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



### **Mechanical dimensions**



### LED indication





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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	50µs-	1500µs
(SPW)	1500µs	SW1 = "F"
Double Intensity	P1 setting	DI mode: OFF
mode (DI)*	x2	



### 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 SPW (strobe pulse width) settings:

SW1	μs	
0	50	
1	100	
2	150	
3	200	
4	250	
5	300	
6	400	
7	500	
8	600	
9	700	
А	800	
В	900	
С	1000	
D	1100	
E	1200	
F	1500	

