

# PAD1 1131/24 - Single Output, Strobe Controller

### This package consists of:

- PAD1 1131/24, Strobe control unit
- Power/Trigger cable, 5m

Specifications	
Voltage supply	24V DC ( $\pm 10\%$ )
Current requirement	max. 2.0A
Protection class	IP30
Operation temperature	0°C.... +65 °C
Storage temperature	-40°C... +80 °C
Storage humidity	max. 80%
Power output	max. 24A
Light intensity	0 to 100%
Strobe pulse width (PW)	50 $\mu$ s to 1.5ms
Trigger frequency	max. 50Hz @ 24A & PW = 1.5ms (Note 1)

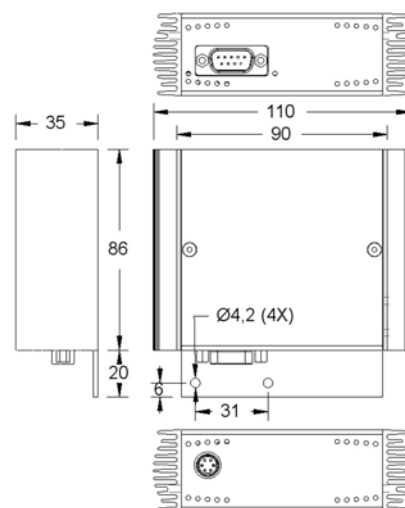
**Note 1)** max. trigger frequency increases to 100 Hz @ 12A output and PW = 1.5ms.

Power/trigger cable		
Yellow	24 VDC	Pin 1, 2
Brown	0 V	Pin 3, 4
Green	Trigger +	Pin 8
White	Trigger -	Pin 9

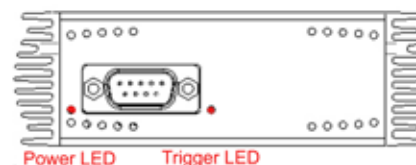
Trigger input, optocoupler:  
Range: 5-24V DC, 23mA max.

### Light head connector:

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

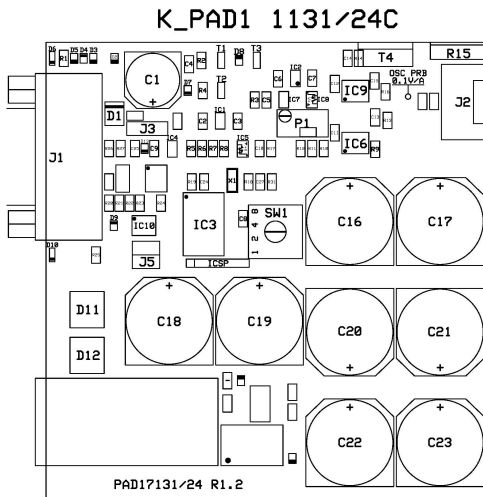


### LED indication



### Adjustment:

Open the unit by unscrewing top cover.



### Light intensity, P1:

Turning P1 anti-clockwise will decrease the light intensity.

Default value: 100%.

LATAB recommend reducing the light intensity as much as possible to increase LED lifetime.

360 deg (1 turn) is equal to about 5%

### Pulse width, SW1:

The strobe pulse width can be set from 50 to 1500 $\mu$ s by SW1. See table.

Factory preset to 1500 $\mu$ s.

### 200% intensity:

Installing the jumper J5 will double the light intensity. In this mode the strobe pulse width is automatically limited to 100 $\mu$ s to avoid damaging the LEDs.

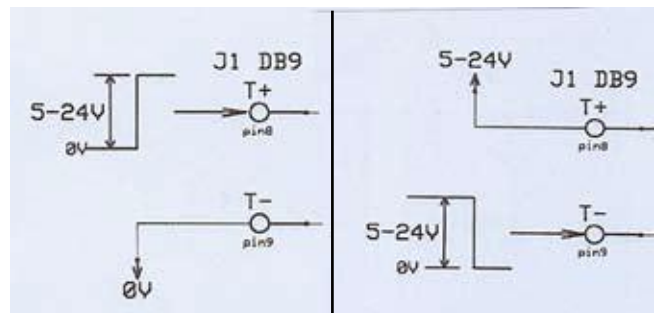
### Table for strobe pulse width setting

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

### Trigger configuration

Positive edge

Negative edge



### EMC compatibility:

This product, PAD1 1131/24 follow the EG-directive for EMC-compatibility, 897336, additional 9321/EEG and 93/86/EEG