

Steady State, 4Ch, 1A, PAD2 1435/1

This package consists of:

PAD2 1435/1, Steady State control unit

LKA1 1431 Power cable, 5m

Option: LKA1 1033T Trigger cable, 5m

Specifications	
Voltage supply	24VDC (±10%)
Current requirement	max. 2.5A
Protection class	IP30
Operation temperature	0°C+65 °C
Storage temperature	-40°C....+80 °C
Storage humidity	max. 80%
Power output	max. 1A / channel
Light intensity	0 to 100%

Warning!

Do not connect to other than 24 V DC

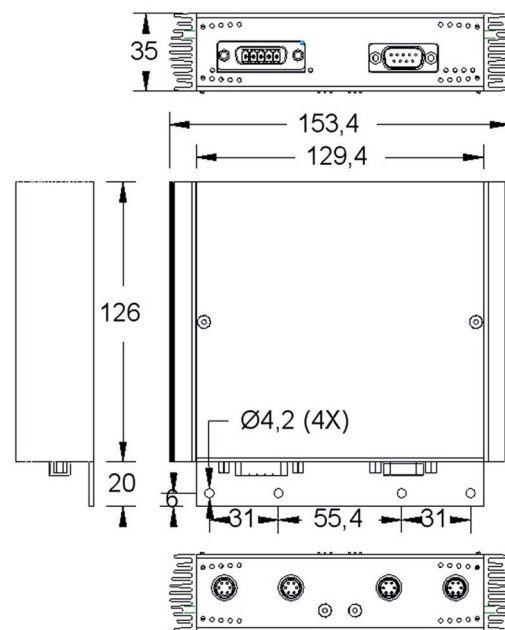
Power cable		
Red	24 VDC	Pin 5
Black	0 V	Pin 4

Signal cable 9-pin D-sub	Signal + white cable	Signal - brown cable
Channel 1	Pin 1	Pin 6
Channel 2	Pin 2	Pin 7
Channel 3	Pin 4	Pin 8
Channel 4	Pin 5	Pin 9

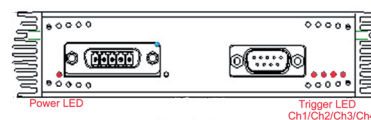
Trigger input: Optical isolated
Trigger range: 5-24VDC, 20mA

Light head connector:

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

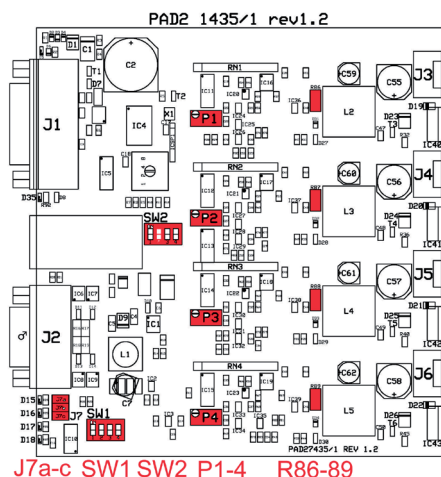


LED indication



Adjustment:

Open the units by unscrewing top cover



Light intensity, P1-P4:

Turning P1, P2, P3 or P4 anti-clockwise will decrease the light intensity.

Default value: 100%.

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

360 degr (1 turn) is equal to about 5%.

Current measurement, R86-R89:

The output current (light intensity) can be measured by connecting a voltmeter over resistors R86-89.

100mV is equal to 1A.

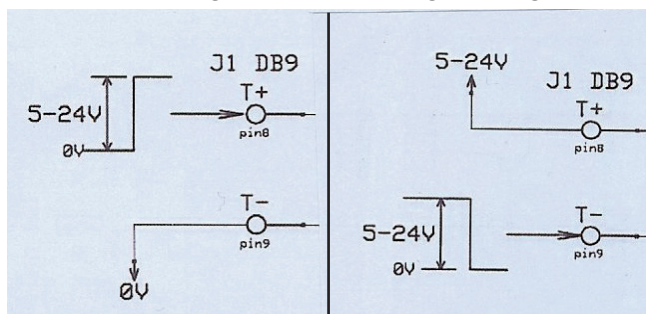
For example:

A voltage of 30mV correspond to a current of 300mA.

Trigger configuration

Positive edge

Negativ edge



Long flash mode.

This unit can be remotely controlled, ON/OFF, by using the long flash (LF) mode, turning ON and OFF the light by a triggering signal.

As long as a trigger signal is on the light is on and when the trigger signal is off the light is off.

200% light intensity.

At long flash mode it is possible to extend the light intensity to 200%.

At double intensity, 200% (DI) mode, the maximum ON-time is five seconds after which the controller automatically turns OFF the light head for five seconds.

This cooling state is indicated by flashing the Power LED.

Trigger signal.

To use 200% light intensity a trigger signal is needed first to turn light ON and OFF.

Installing jumper J9 will enable both channels to be triggered simultaneously using either one of the trigger inputs.

Long Flash, LF mode setting, SW1

SW1 = ON = Normal steady state mode

SW1 = OFF = External trigger, Long Flash

Double intensity, DI setting, SW2

SW2 = ON = DI mode (200%)

SW2 = OFF = Normal intensity (100%)

Channel settings

SW1/2-1=Channel 1

SW1/2-2=Channel 2

SW1/2-1=Channel 1

SW1/2-2=Channel 2

EEC compatibility:

This product, PAD2 1235/1 follows the EG-directive for EMC-compatibility, 89/336, additional 93/21/EEG and 93/86/EEG.