

Steady State, 1Ch, 1A, PAD2 1135/1

This package consists of:

- PAD2 1135/1, Steady State control unit
- Power/External signal (trig) cable, 5m

Option: Power, Control and trig-cable LKA2 5135

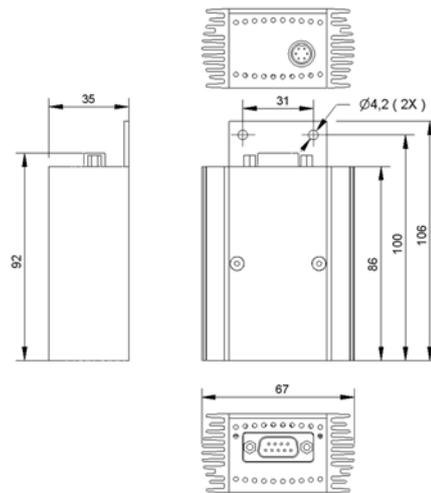
As from product rev E the units feature external 0 -10 V light intensity control mode selected by changing of jumper position.



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

Warning!

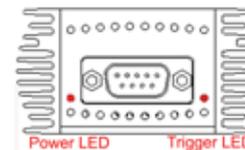
Do not connect to other than 24 V DC



Standard power/ trigger cable		9-pin D-sub
Yellow	24 VDC	Pin 1, 2
Brown	0 V	Pin 3, 4
Green	Trigger +	Pin 8
White	Trigger -	Pin 9

External signal (trig): Optically isolated
Signal range: 5-24VDC, 20mA

LED indication

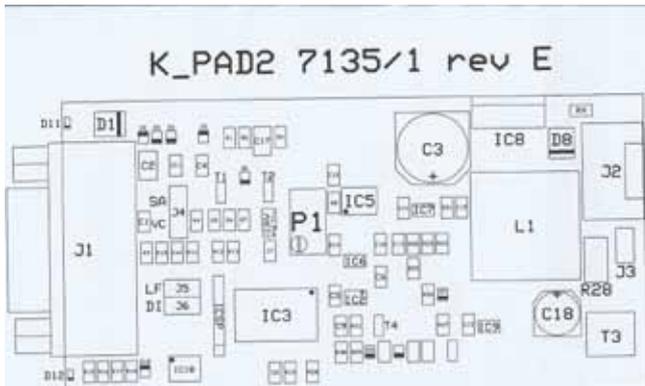


Light head connector:

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

Adjustment: As from rev. E

Open the units by unscrewing top cover



0-10 V adjustment.

For 0-10V intensity control replace the standard cable with cable **LKA2 5135** or add wiring to the 9-pole D-SUB connector, pins 6 (0V) and 7 (0-10V) of the standard power/trig cable.

0-10V connection-Cable LKA2 5135		9-pin D-sub
Red (power)	24V	Pin 1or2
Black (power)	0V	Pin 2or3
White (trig +)	5-24V	Pin 8
Brown (trig -)	0V	Pin 9
White (control +)	0-10V	Pin 7
Brown (control -)	0V	Pin6

Select the 0-10V int. ctrl. mode by moving the jumper **J4** from the factory preset upper "SA" position (Stand Alone mode) to the lower "VC" position (Voltage Control mode). The intensity is then controlled by applying a voltage, 0-10 V to the white wire or pin 7.
N.B. P1 still affects the intensity thus must be set to max (factory default setting) in order to control the full range!

Light intensity, P1:

Turning P1 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%.

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 an external (trig) signal.
As long as an external signal is on the light is on and when the external 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.

Long Flash and 200% light

Activate the jumper J5 for Long Flash.
Activate the jumper J6 for 200% light.

Factory setting:

100% light intensity
Standard setting:
Jumpers J5 and J6 are not installed
Jumper J4 is set SA mode.

Current measurement, J3:

The output current (light intensity) can be measured by connecting a voltmeter to "J3".
100mV is equal to 1A.

For example:

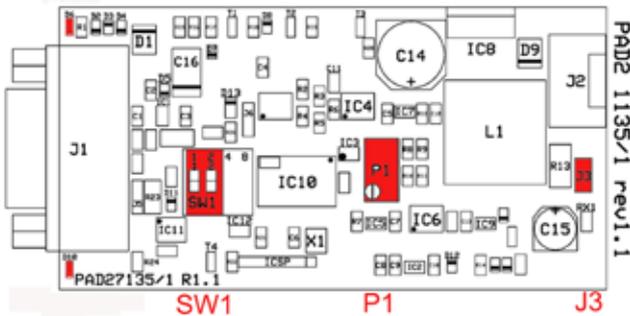
A voltage of 30mV correspond to a current of 300mA.

EEC compatibility:

This product, PAD2 1135/1 follow the EG-directive for EMC-compatibility, 897336, additional 9321/EEG and 93/86/EEG

Adjustment: Rev D (1.1)

Open the units by unscrewing top cover



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Mode setting, SW1:

SW 1-1 = OFF = Normal steady state mode.

SW 1-1 = ON = Long flash (LF) mode.

SW 1-2 = OFF = 100% intensity

SW 1-2 = ON = 200% Intensity (DI) mode

External pulse is necessary for long flash mode

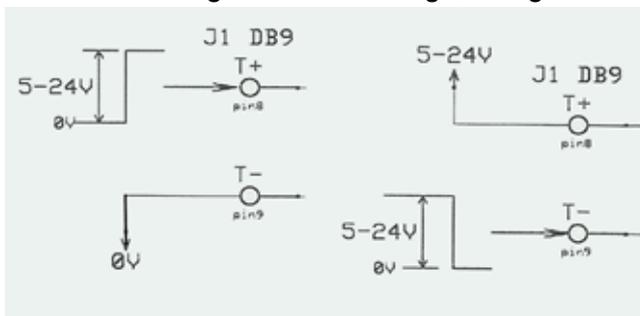
Factory setting:

SW1-1 = OFF = Normal steady state mode.

SW1-2 = OFF = 100% light intensity.

External (trig) signal configuration

Positive edge Negativ edge



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