

Installation and User Guide

PAD2 1435/1 – Continuous Mode LED Control Unit, 4 channels, 1A

Specifications

Power supply	24V DC ($\pm 10\%$), 2.8A max
Light output	15W/ch, (1A/ch max)*
Protection class	IP30
Operation temperature	0°C...+55°C
Storage temperature	-40°C...+80°C
Storage humidity	80% max.

*) Constant current drive.

Power connections

Power connections	Power SUB-connector	Pin no
24V DC	5	(Red)*
0V	4	(Black)*

*) Optional Power cable, part no: LKA1 1431

Trigger inputs for Gated Continuous mode.

	DB9 connections:	
	Trig + (White)*	Trig - (Brown)*
Channel 1	Pin 1	Pin 6
Channel 2	Pin 2	Pin 7
Channel 3	Pin 4	Pin 8
Channel 4	Pin 5	Pin 9

*) Optional Trigger cable, part no: LKA1 1033T

Trigger input: Optically isolated

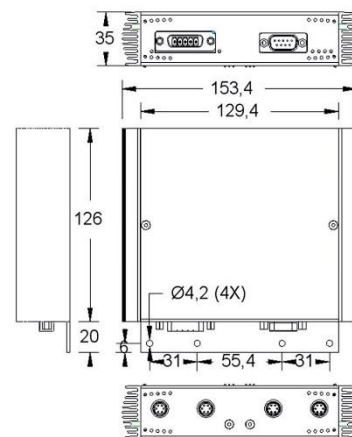
Range: 5-24V DC, 20mA

Light connector:

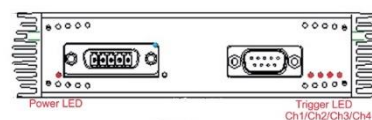
Pull back the spring-loaded housing before connecting and disconnecting.



Mechanical dimensions



LED indicate



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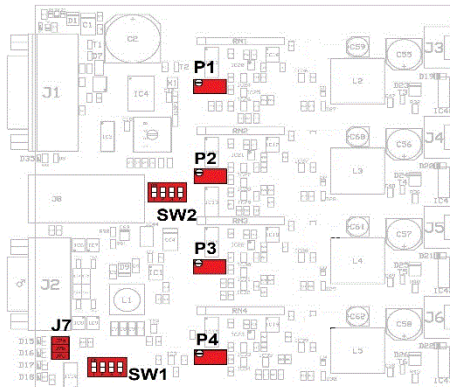
Adjustable settings:

Feature	Description	Factory setting
Light intensity (LI)	P1-4: 0-100%	100%
Gated Continuous mode	Light On/Off control	GC mode: OFF
Double Intensity mode (DI)*	2 x P1-4 setting	DI mode: OFF

*) Double intensity mode only apply to lights with a specified drive current up to 0.5A as the max output current is 1A.

Light intensity, P1-P4:

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



Gated Continuous mode:

Set SW1: 1-4 to "on" (individual switches for each channel) for remote on/off control of the light head output using e.g. a digital output of a PLC. The light output state follows the trigger input state.

Installing jumper J7: a-c enables channels 2-4 to be triggered simultaneously with the master channel 1.

Double Intensity mode:

When in gated continuous mode, it is possible to double the light intensity settings of P1-P4 by setting the appropriate switch of SW2 to "on".

However, the maximum on-time in this mode is five seconds after which the controller automatically turns OFF the light output for five seconds in order to prevent LED overheating.

Gated continuous mode setting, SW1

SW1 = ON = Normal continuous mode

SW1 = OFF = Gated continuous mode

Double intensity, DI setting, SW2

SW2 = ON = DI mode (0-200%)

SW2 = OFF = Normal intensity (0-100%)

Trigger configuration:

