Steady State, 2Ch, 1A, PAD2 1235/1

This package consists of:
PAD2 1235/1, Steady State control unit
LKA1 1231 Power /Trigger cable, 5m

### Specifications

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

**Warning!**
Do not connect to other than 24 V DC

### Power/trigger cable

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Red</td>
<td>24 VDC</td>
<td>Pin 1, 2</td>
</tr>
<tr>
<td>Black</td>
<td>0 V</td>
<td>Pin 3, 4</td>
</tr>
<tr>
<td>Ch 1. White</td>
<td>Trigger +</td>
<td>Pin 6</td>
</tr>
<tr>
<td>Ch 1. Brown</td>
<td>Trigger -</td>
<td>Pin 7</td>
</tr>
<tr>
<td>Ch 2 White</td>
<td>Trigger +</td>
<td>Pin 8</td>
</tr>
<tr>
<td>Ch 2 Brown</td>
<td>Trigger -</td>
<td>Pin 9</td>
</tr>
</tbody>
</table>

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

### LED indication

*Power LED*
*Trigger LED Change*

**Light head connector:**
Pull back the spring-loaded housing before connecting and disconnecting.

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**Adjustment:**
Open the units by unscrewing top cover.

**Light intensity, P1-P2:**
Turning P1 or P2 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, J3:**
The output current (light intensity) can be measured by connecting a voltmeter to "J4, J5". 100mV is equal to 1A.
For example:
A voltage of 30mV correspond to a current of 300mA.

**Trigger configuration**

<table>
<thead>
<tr>
<th>Positive edge</th>
<th>Negativ edge</th>
</tr>
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<tbody>
<tr>
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</table>

**Long flash mode.**
This control unit can be remotely controlled, ON/OFF, by using long flash (LF) mode, turning ON and OFF the light by an external (trig) signal. As long as a external signal is on the light is on and when the external signal is of the light is off. By using this mode both energy and the life time of the leds are saved.

**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 heads for five seconds.
This cooling state is indicated by flashing the Power LED.

**External (trig) signal.**
To use 200% light intensity an external signal is needed for turn light ON and OF
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 trigg, Long Flash

**Double intensity, DI setting, SW2**
SW2 = ON = DI mode (200%)
SW2 = OFF = Normal intensity (100%)

**Channal settings**
SW1/2-1=Channel 1
SW1/2-2=Channel 2

**EEC compatibility:**
This product, PAD2 1235/1 follow the EG-directive for EMC-compatibility, 897336, additional 9321/EEG and 93/86//EEG