Steady State, 4Ch, 1A, PAD2 1436/1
RS232 operated

This package consists of:
- PAD2 1436/1, Steady State unit
- LKA1 1036 Power/com cable, 5m
For program, see www.latab.se

<table>
<thead>
<tr>
<th>Specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage supply</td>
<td>24V (±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

<table>
<thead>
<tr>
<th>Power/Comm. cable</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Black</td>
<td>0 V</td>
</tr>
</tbody>
</table>

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

**LED indication**

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SE-162 50 Vällingby
Sweden
Phone +046 8704 9225 • e-mail: info@latab.se
**Adjustment:**
Open the units by unscrewing top cover

**Factory default settings:**
- Unit ID: Set by SW1
- Light: ON
- Light intensity: 100%/each channel
- J9: installed
  (RS232 termination jumper)

**Attention! This jumper must be installed only in the last unit of a multidrop system**

**Adjustable parameters:**

<table>
<thead>
<tr>
<th>Light intensity</th>
<th>Light Int.</th>
<th>0-100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON/OFF</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Communication, SW3:**
The communication cable PC com. port connector contains an RS232 to RS485 interface converter for safer transmission but mainly to enable so called multi drop systems with up to 8 units, in any combination of steady state and/or strobe RS232 operated controllers, connected to the same com port. Each controller is given its own ID (0-15), set by switch, SW1.
The PC control software handles max. eight units, (available on www.latab.se).

**Termination jumper, J9:**
Termination jumper J9 shall be installed on the last unit of the multidrop system.
In case of only one unit this jumper J4 shall be installed in the unit. (Preset at factory)

**RS232 interface.**
Connect the 9 pin D-SUB marked "COM" to the host system PC.

- Com port setting:
  - 19.200 baud, no parity,
  - 8 data bits, 1 start/stop bit
- Set DTR and RTS pins to pos. voltage level

**Host system control protocol (hex):**
1) Start byte: \( \text{FE} \)
2) Unit ID-byte: \( 00-0F \) (max 07 for the PC control) corresponding to the control unit ID-switch SW1.
3) Light off (3 byte command).
4) Light on (3 byte command).
5) Set intensity (4 byte command).
6) Store settings (3 byte command) in EEPROM to be recalled at power on.

**Examples:**
- FE 00 01: Turn off Light, All channels.
- FE 00 02: Turn on Light, All channels.
- FE 03 03 FF: Set light intensity to max, ch.3.
- FE 04 03 00: Set light intensity to min, ch 4.
- FE 00 04: Store settings in EEPROM.

**EEC compatibility:**
This product, PAD3 1136/3 follow the EG-directive for EMC-compatibility, 897336, additional 9321/EEG and 93/86/EEG