Steady State, 1Ch, 1A, PAD2 1136/1
RS232 operated

This package consists of:
- PAD2 1136/1, Steady State unit
- LKA1 1032 Power/Com. cable, 5m
For program, see www.latab.se

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage supply</td>
<td>24VDC (±10%)</td>
</tr>
<tr>
<td>Current requirement</td>
<td>max. 1A</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</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

<table>
<thead>
<tr>
<th>Color</th>
<th>Voltage</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>24 VDC</td>
<td>1, 2</td>
</tr>
<tr>
<td>Brown</td>
<td>0 V</td>
<td>3, 4</td>
</tr>
<tr>
<td>Green</td>
<td>Not used</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>Not used</td>
<td></td>
</tr>
</tbody>
</table>

Communication.
Connect the 9-pin D-SUB, marked "COM" to a com.port on host system

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

LED indication

LAT elektronik AB
Krossgatan 18
SE-162 50 Vällingby
Sweden
Phone +046 8704 9225 • e-mail: info@latab.se

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Member of the Polytec organization
Adjustment:
Open the units by unscrewing top cover

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>

Factory default settings:

- Unit ID: 0 (Set by SW1)
- Light: ON
- Light intensity: 100%
- J4: Installed
  (RS232 termination jumper)

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

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.

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

Communication, SW1:
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, J4:
Termination jumper J4 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)

Host system control protocol (hex):
1) Start byte; FE
2) Unit ID-byte; 00-0F (max 07 for the PC control) corresponding to the control unit ID-switch SW1. Command byte;
3) 01= Light off (3 byte command).
   02= Light on (3 byte command).
   03= Set intensity (4 byte command).
   04= Store settings (3 byte command) in EEPROM to be recalled at power on.
4) Data byte only for command “03”;
   00 – FF = 0 – 100% light intensity.

Examples:
FE 00 01: Turn off Light.
FE 00 02: Turn on Light.
FE 00 03 FF: Set light intensity to max.
FE 00 03 00: Set light intensity to min.
FE 00 04: Store settings in EEPROM.

EEC compatibility:
This product, PAD3 1136/1 follow the EG-directive for EMC-compatibility, 897336, additional 9321/EEG and 93/86/EEG