

## 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](http://www.latab.se)

Specifications	
Voltage supply	24V (±10%)
Current requirement	max. 2,5A
Protection class	IP30
Operation temperature	0°C ....+65 °C
Storage temperature	-40°C....+80 °C
Storage humidity	max. 80%
Power output	max. 1A/channel
Light intensity	0 to 100%

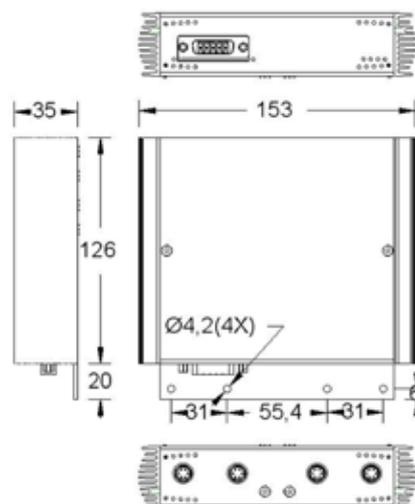
### Warning!

Do not connect to other than 24 V DC

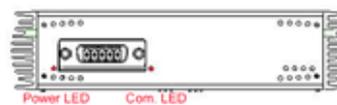
Power/Comm. cable		
Red	24 VDC	Pin 5
Black	0 V	Pin 4

### Light head connector:

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

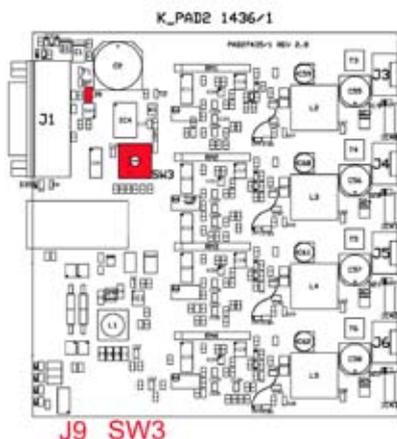


### LED indication



### Adjustment:

Open the units by unscrewing top cover



### Adjustable parameters:

Light intensity	Light Int.	0-100%
ON/OFF		ON OFF

### Factory default settings:

Unit ID 0 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**

### 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, 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](http://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)

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.
- 3) Command byte;
  - 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, 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, 89/73/EEG, additional 93/21/EEG and 93/86/EEG

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