

Steady State, 1Ch, 3A, PAD2 1136/3 RS232 operated

This package consists of:

- PAD2 1136/3, Steady State unit
- LKA1 1032 Power/Com. cable, 5m

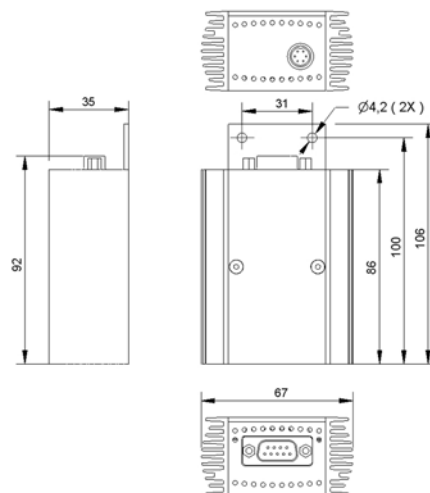
For program, see www.latab.se



Specifications	
Voltage supply	24VDC (±10%)
Current requirement	max. 1A
Protection class	IP30
Operation temperature	0°C ...+65 °C
Storage temperature	-40°C...+80 °C
Storage humidity	max. 80%
Power output	max. 3A
Light intensity	0 to 100%

Warning!

Do not connect to other than 24 V DC



Power/trigger cable		
Yellow	24 VDC	Pin 1, 2
Brown	0 V	Pin 3, 4
Green	Not used	
White	Not used	

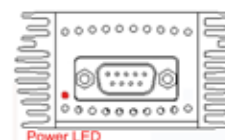
Communication.

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

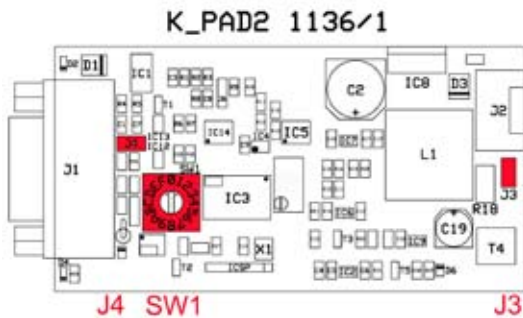


Installation and users guide

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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%
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.
- 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 EE PROM 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, 89/336, additional 93/21/EEG and 93/86/EEG