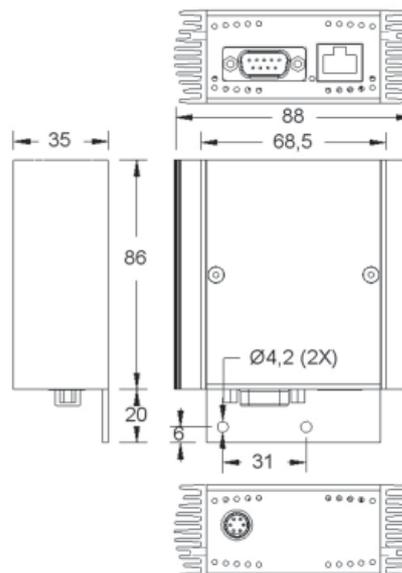


## Steady State, 1Ch, 1A, PAD2 4136/1 Ethernet operated

### This package consists of:

- PAD2 4136/1, Steady State control unit
- Power/trigger cable, 5m

Specifications	
Voltage supply	24VDC ( $\pm 10\%$ )
Current requirement	max. 0.7 A
Protection class	IP30
Operation temperature	0°C ....+65 °C
Storage temperature	-40°C....+80 °C
Storage humidity	max. 80%
Power output	max. 1 A
Light intensity	0 to 100%.
Communication	Ethernet



### 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	Trigger +	Pin 8
White	Trigger -	Pin 9

Trigger input: Optically isolated  
Range: 5-24 VDC, 20mA.

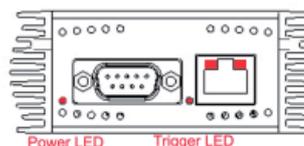
### Light head connector:

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

EEC compatibility:

This product, PAD2 4136/1 follow the EG-directive for EMC-compatibility, 897336, additional 9321/EEG and 93/86//EEG

### LED indication



## Adjustable settings:

- Light Intensity; 0 - 100 %.
- Double Intensity Mode; 0 - 200 %.
- Ext. On/Off control (or Long Flash) Mode.

## PAD2 4136/1 control protocol

The control protocol is of binary type. The commands do NOT utilize header nor termination characters. All are single byte commands except "Set Intensity", requiring two bytes.

The commands are listed below, presented in HEX format.

1) = Command (cmd):

- 00 = Turn light head OFF.
- 01 = Turn light head ON.
- 02, 00 - FF = Set Intensity, 0 - 100%.
- 03 = Set External on/off (or LF) mode ON. A trig. signal is required to turn on the light. The unit will NOT respond to the on, off commands in this mode.
- 04 = Set Double Intensity (DI) mode ON.
- 05 = Set Normal mode (LF & DI = OFF).
- 06 = Save settings. All settings stored in EEPROM to be recalled at power-on.

Controller to host messaging (ASCII):

"OK": Valid command received and executed.

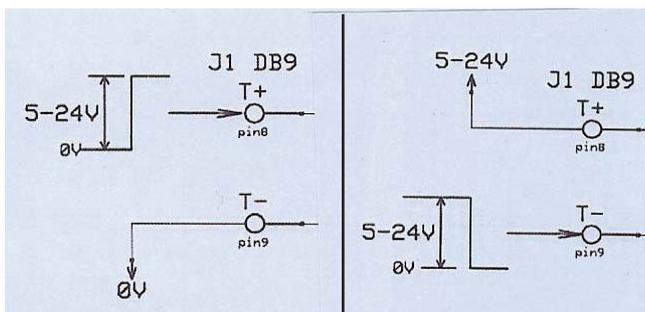
"S1": Start of 5 sec. light head shut-down.

"N1": End of 5 sec. shut-down.

## Trigger configuration

Positive edge

Negativ edge



## Long flash mode.

This unit can be remotely controlled; light head ON/OFF, by using the long flash (LF) mode, turning ON and OFF the light by a trigger signal. As long as the trigger signal is applied the light is on.

## 200% light intensity.

At Double Intensity, 200% (DI) mode, the maximum ON-time is five seconds after which the controller automatically turns OFF the light head for five seconds in order to cool down.

Note:

Keeping the unit continuously set to the Double Intensity mode combined with turned on light head (from using either cmd 01 or 03 + trig. signal applied) will result in a slow oscillation turning the light on and off, in periods of five seconds each.

## Ethernet interface:

The Ethernet interface consists of a module with everything needed housed in a single RJ45 package manufactured by Lantronix.

The unit is factory configured for dynamic IP addressing. However, a fixed address is recommended when installed in the application.

To assign/change IP address use special software "Device Installer" on Lantronix.com: [http://ltxfaq.custhelp.com/app/answers/detail/a\\_id/644](http://ltxfaq.custhelp.com/app/answers/detail/a_id/644) or available on the USB-mem. stick delivered with the controller.

This software is also helpful when using LATAB PC-control software. It detects the connected unit and displays the assigned IP addresses which is then to be entered into LATAB PC Control.

Please refer to "ReadMeFirst.doc" for installation guidance.

## Factory default settings:

- IP address: dynamic (other on request).
- Port no 10001.