

# Strobe, 1Ch, 8A, PAD1 4132/8 Ethernet operated

### This package consists of:

PAD1 4132/8, Strobe control unit

PowerTrigger cable, 5m

For program, see [www.latab.se](http://www.latab.se)

| Specifications        |                    |
|-----------------------|--------------------|
| Voltage supply        | 24V DC(±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. 8A            |
| Light intensity       | 0 to 100%.         |
| Strobe pulselength    | 50 to 1500 µsec    |
| Trigger frequency     | max. 200 Hz at 24A |
| Communication         | ethernet           |

### Warning!

Do not connect to other than 24 V DC

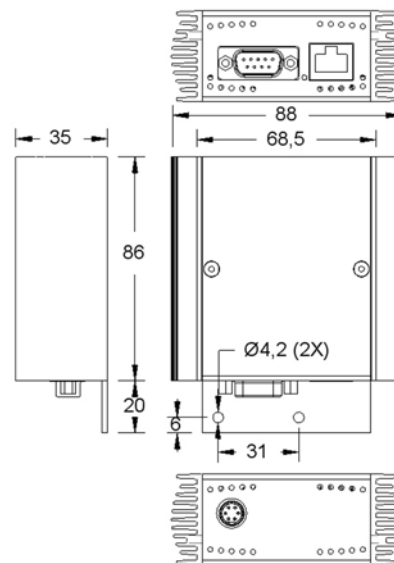
| Power/trigger cable |           |          |
|---------------------|-----------|----------|
| Yellow              | 24 VDC    | Pin 1, 2 |
| Brown               | 0 V       | Pin 3, 4 |
| Green               | Trigger + | Pin 8    |
| White               | Trigger - | Pin 9    |

Trigger input: Optical isolated

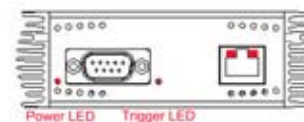
Trigger range: 5-24VDC, 20mA

### Light head connector:

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



### LED indication



### Adjustable parameters:

|                    |     |                |
|--------------------|-----|----------------|
| Pulse Current      | PC  | 0-100%         |
| Strobe Pulse Width | SPW | 50µsec-1,5msec |
| Trigger Delay      | STD | 0-38msec       |

Trigger delay consists of STD (0-255) multiplied with a delay factor (DF) (2-150µsec) giving a STD range of 0-38 msec.

### Ethernet interface:

It's recommended the unit is assigned a fixed IP address. On request this can be done by LATAB prior to delivery.

To assign/change IP address use special software "Device Installer" for the X-port;

**XP101001-03R** available on [www.lantronix.com](http://www.lantronix.com)

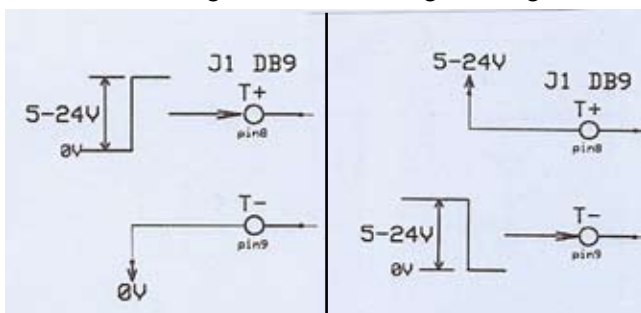
### Factory default settings:

- IP address: 192.168.220.215  
(other on request).
- Port nr: 10001

### Trigger configuration

Positive edge

Negativ edge



### PAD1 4132/8 control protocol

The control string (hex) are 5 bytes and to be sent in the following order:

- 1) Start byte: FE.
- 2) 01
- 3) SPW/DF: 00-FF. Higher nibb = SPW.  
Lower nibb = DF
- 4) TD-byte: 00-FF. Trigg delay
- 5) PC-byte: 00-FF. 0-100% light intensity

Example 1:

FE, 01, C6, 08, FF (five byte command)

FE = Start byte.

C6: C = SPW = 100 µs.

6 = DF = 50 µs.

08 = TD trigg delay of 8 x 50µs = 400µs.

FF = PC = 100% light intensity.

Table for SPW (strobe pulse width) and DF (trigg delay factor) settings

| SPW higher nibb |      | DF lower nibb |      |
|-----------------|------|---------------|------|
| SPW             | µsec | DF            | µsec |
| 0               | 50   | 0             | 2    |
| 1               | 100  | 1             | 5    |
| 2               | 150  | 2             | 10   |
| 3               | 200  | 3             | 20   |
| 4               | 250  | 4             | 30   |
| 5               | 300  | 5             | 40   |
| 6               | 400  | 6             | 50   |
| 7               | 500  | 7             | 60   |
| 8               | 600  | 8             | 70   |
| 9               | 700  | 9             | 80   |
| A               | 800  | A             | 90   |
| B               | 900  | B             | 100  |
| C               | 1000 | C             | 110  |
| D               | 1100 | D             | 120  |
| E               | 1200 | E             | 140  |
| F               | 1500 | F             | 150  |