

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

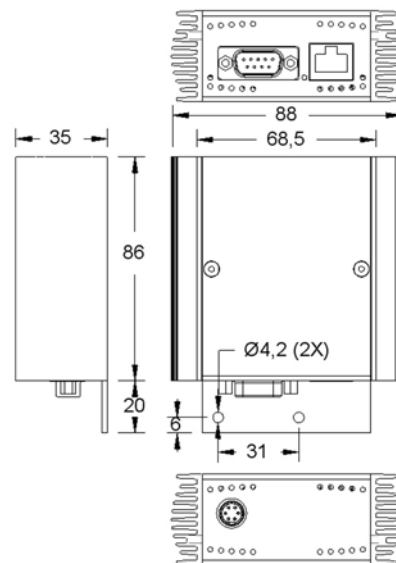
This package consists of:

PAD1 4132/8, Strobe control unit

PowerTrigger cable, 5m

For program, see www.latab.se

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

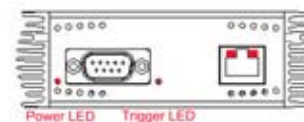
Trigger input: Optical isolated

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

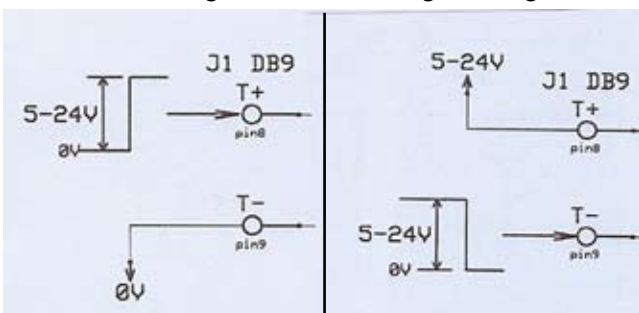
Factory default settings:

- 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

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