

Strobe, 2Ch, 8A, PAD1 4232/8 Ethernet operated

This package consists of:

PAD1 4232/8, Strobe control unit
LKA1 1231 Power/Trigger cable, 5m

For program, see www.latab.se

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

Warning!

Do not connect to other than 24 V DC

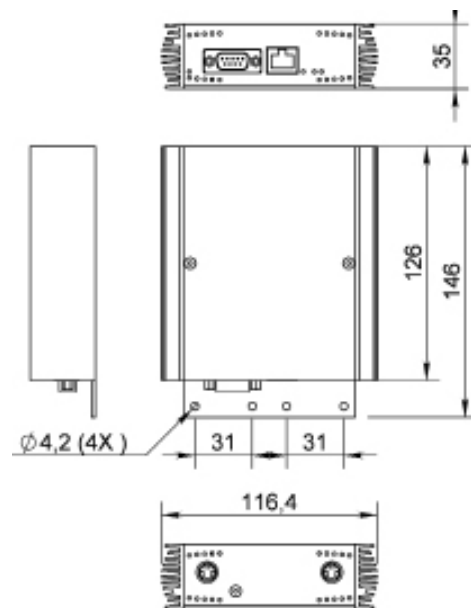
Power/Trigger cable		
Red	24 VDC	Pin 1, 2
Black	0 V	Pin 3, 4

Trigger	Trigger + white cable	Trigger - brown cable
Channel 1	Pin 6	Pin 7
Channel 2	Pin 8	Pin 9

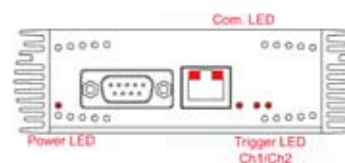
Trigger input: Optical isolated
Trigger range: 5-24VDC, 20mA

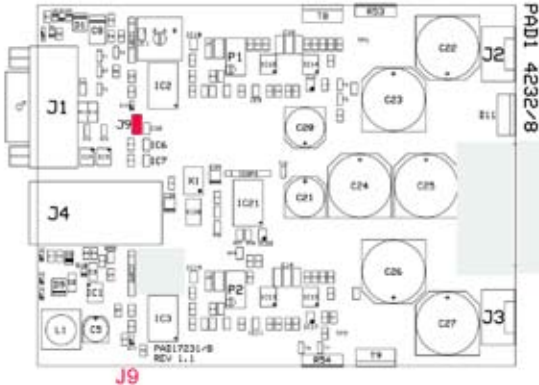
Light head connector:

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



LED indication





Common trigger, J9.

Installing jumper J9 will enable both channels to be triggered simultaneously using either one of the trigger inputs

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:

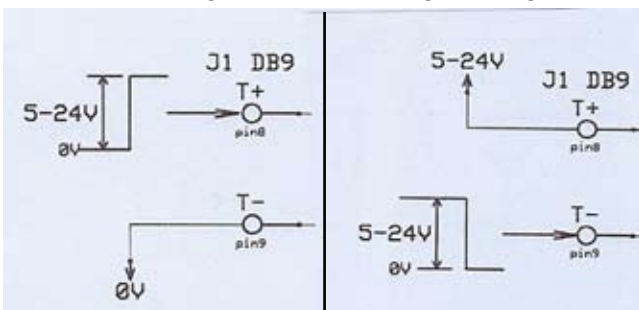
- IP address: 192.168.220.215
(other on request).

Port nr: 10001

Trigger configuration

Positive edge

Negativ edge



PAD1 4232/8 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 μ s.

6 = DF = 50 μ s.

08 = TD trigg delay of 8 x 50 μ s = 400 μ s.

FF = PC = 100% light intensity.

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

SPW higher nibb		DF lower nibb	
SPW	μ sec	DF	μ sec
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