

Strobe, 4Ch, 8A, PAD1 4432/8 Ethernet operated

This package consists of:

PAD1 4432/8, Strobe control unit

LKA1 1431 Power cable, 5m

LKA1 1033T 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 cable		
Red	24 VDC	Pin 5
Black	0 V	Pin 4


Trigger cable	Trigg + white cable	Trigg-brown cable
Channel 1	Pin 1	Pin 6
Channel 2	Pin 2	Pin 7
Channel 3	Pin 4	Pin 8
Channel 4	Pin 5	Pin 9

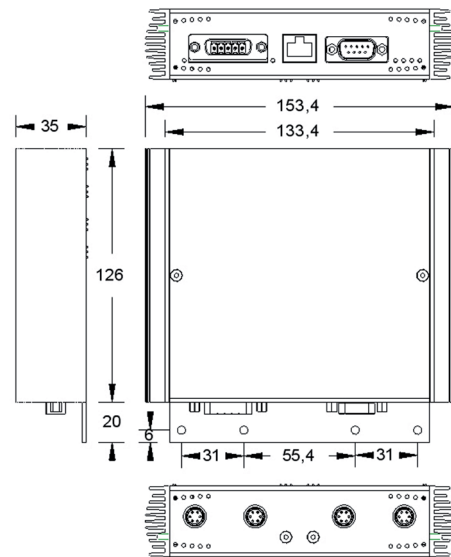
Trigger input: Optical isolated

Trigger range: 5-24VDC, 20mA

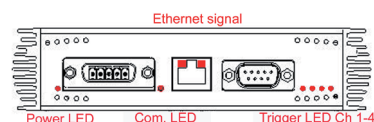
Light head connector:

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

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LED indication



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PAD1 4432/8 control protocol

This program has the possibility to send either 1 channel at a time or comad for all 4 channels. The command for 1 channel is 6 bytes and the comand for all 4 channels are 14 bytes.

One channel control string (hex) are 6 bytes, to be sent in the following order:

- 1)Start byte: FE.
- 2)Dummybyte: 01.
- 3)Channel ID 01-04
- 4)SPW/DF-byte: 00-FF. Higher nibble = SPW.
Lower nibb = DF
- 5)TD-byte: 00-FF. Trigg delay
- 6)LI-byte: 00-FF. 0-100% light intensity

Example 1:

FE, 00, 01, C6, 08, FF (six byte command)

FE = Start byte.

01 = Dummy byte.

01 = Channel 1

C6: C = SPW = 1000 μ s.

6 = DF = 50 μ s.

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

FF = LI = 100% light intensity.

Four channels control string (hex) 14 bytes to be sent in the following order:

The first two bytesare the same follows 4,5,6

for channel 1 and then the same for channel 2,3 and 4.

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

SPW higher nibble		DF lower nibble	
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