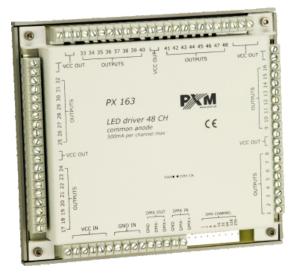


DATA SHEET

PX 163



Matrix driver 48 x 500mA

Product description

48-channel driver for RGB matrix systems

The PX163 is perfect device to control of illumination of big areas composed of many modular elements. The facades - LED screens or illuminated floors can be used as an example.

 $A \, built-in \, DMX \, signal \, receiver \, enables \, to \, control \, all \, 48 \, channels \, using \, the \, DMX-512 \, protocol.$

A wide range of power supply voltage (7 - 24V DC) and a high outputs load capacity (up to 0.5A per channel) allow to connect great number of LEDs and - what follows - achieve the effect of a steady illumination of the whole surface.

By dint of 8-bit resolution the control of particular channels is completely smooth.

The additional advantage is implementation of a high-tech solution - "flicker-free" control frequency, it allows to use the PX163 driver in the installations created for TV industry applications.

The driver is manufactured in a "common anode" version, what allows to connect LEDs on a common "+" wire.

Small and flat casing of dimensions $158 \times 140 \times 35 \, \text{mm}$ is adapted for on-wall mounting.

The terminal block connectors guarantee a guick and easy installation.

Technical data

Туре	PX 163
DMX channels	512
Power supply	7 - 24V DC
Current consumption	Max. 24A
Output channels number	48
Control resolution	8 bit
Brightness control frequency	1 kHz
Outputs load capacity	Max. 0,5A / channel
Output sockets	terminal blocks
Dimensions	Width: 158 mm Height: 140 mm



Depth: 35 mm

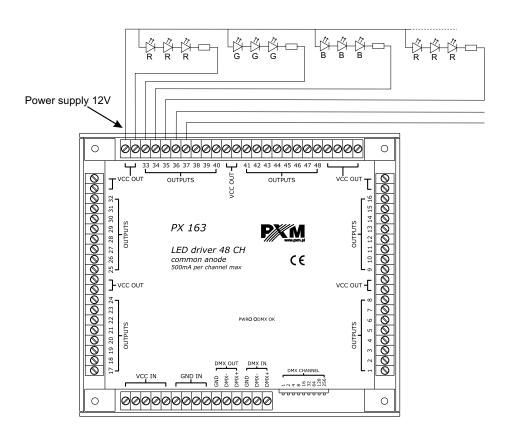




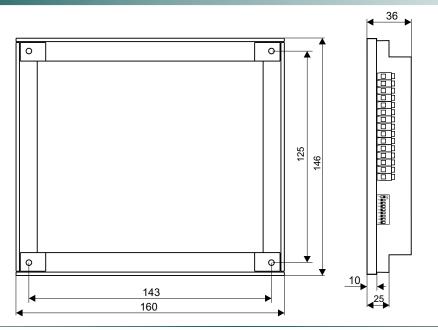
Connection diagram

The receivers are connected to control outputs and power supply as shown in the figure below.

To each line you can connect only determined number of light sources, depending on the wattage and max load for each line e.i. 500mA. Therefore, after connecting all the receivers you should sum up all the lines and choose adequate power supply.



Dimensions - technical drawing







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