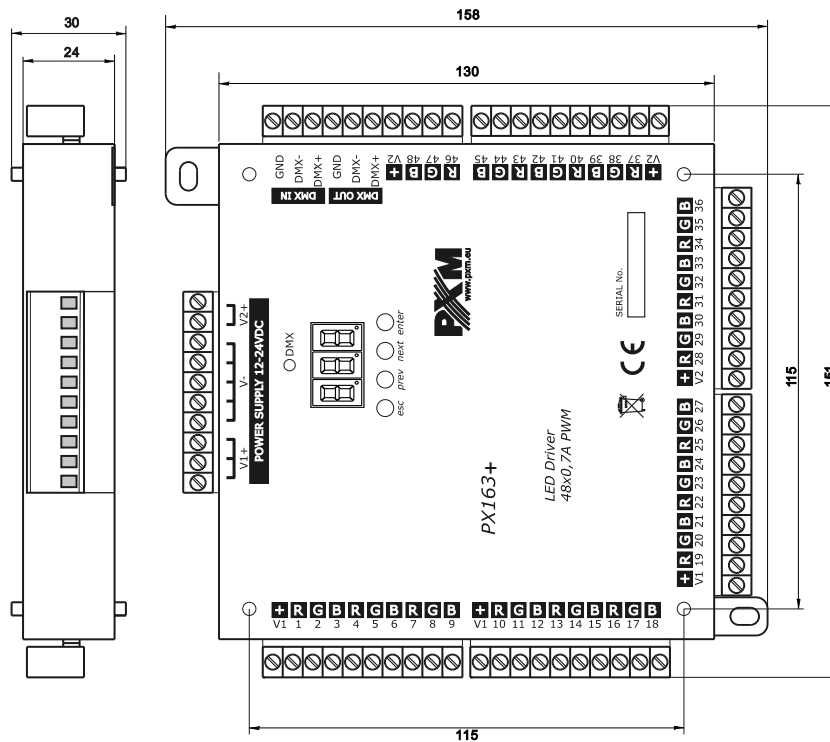# PX163+
Driver LED C.V.
48 x 700mA

Device description

PX163+ is a 48-channel voltage driver designed for the RGB matrix systems, ideally suited for controlling lighting in large ares consisting of multiple modular elements. An example can be here the facade – LED screens or illuminated floors.

It is possible to control all 48 channels through the DMX-512 protocol with use of the built-in DMX signal receiver. The wide range of supply voltage (12 – 24V DC) and the high ampacity of outputs (maximum 0.7A per channel) enable the connection of a lot of LEDs, and consequently the whole surface is equally. The interpolated resolution of the output control at the level of 12 bit for 274Hz and 10 bit for 1kHz makes the brightness control of individual channels completely smooth. The implementation of modern technology "*flicker free*", i.e. a possibility to select frequency 1kHz is the additional advantage. By means of this option, the PX163+ driver can successfully be used in installations made for the needs o the television industry. What is more, the RDM protocol has been implemented in PX163+. In comparison with the previous version the device has been extended with a display unit, an intuitive menu and buttons, which allows convenient configuration.
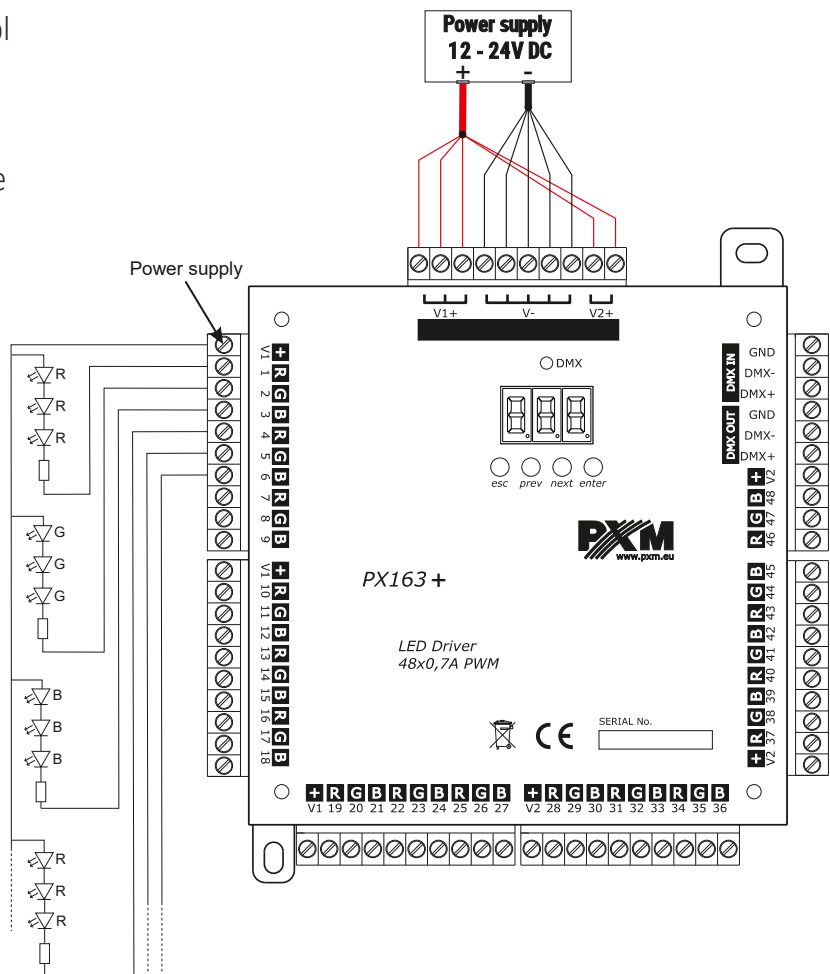
The device has the function of channels addressing, 18 integrated programs and one scene that can be programmed. The programs can be played in the effective mode or in the case of the disappearance of DMX signal. The driver is produced in a "*common anode*" version, which allows you to connect LEDs with the common plus.

The housing has been adapted for wall mounting, and the screw connectors allow quick and easy installation.

Technical drawing

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 i.e. 700mA. Therefore, after connecting all the receivers you should sum up all the lines and choose adequate power supply.

type	PX163+
power supply	12 – 24V DC
DMX channels	512
output channels number	48
current consumption	max. 34A
interpolated resolution of output control	12 bits for 274Hz / 10 bits for 1kHz
outputs load capacity	max. 0,7A / channel
output sockets	terminal blocks
weight	0.6kg
dimensions	width: 151mm height: 158mm depth: 30mm

www.pxm.pl
BDO register number 000005972   3   Rev.1-2
14.11.2019