

LED driver 6 x 7,5A

Product description

An advanced LED driver 6x7,5A with built-in DMX512 signal receiver

PX178 is a 6x7,5 A LED Driver, with a built-in DMX512 signal receiver, designed to control voltage-driven LED lamps or strips. This is the most advanced driver of its kind offered by the PXM company. The PX 178 housing, which is 9 standard rail modules wide, features a colour display. This allows the user to program and control the device intuitively. The built-in DMX receiver allows for control of 6 channels (e.g. 2 x RGB) by directly using the DMX protocol. The wide supply voltage range and high output current-carrying capacity (7.5 A) enable the user to control large numbers of LED diodes. In addition, the driver incorporates an over-current protection device, a temperature protection device preventing driver overheating as well as a DMX line surge protection device.

You can control the PX178 using DMX signals or it can operate independently. In such a case, you can choose from 8 fully programmable scenes and 8 programs, and, in relation to these scenes and programs you can vary playback speed and step transition smoothness. Thanks to the use of 16-bit resolution, parameter adjustment in individual channels is fully variable.

The driver has a real time clock that allows you to set power ON and OFF times for the LEDs controlled, which is particularly suitable for advertising sign light systems. Besides, the built-in astronomical clock feature, using the current date, the co-ordinates of the driver installation location and its position relative to universal time (Greenwich UT), automatically sets driver output turn on and off times, on a 24-hour basis, in accordance with astronomical sunrise and sunset times.

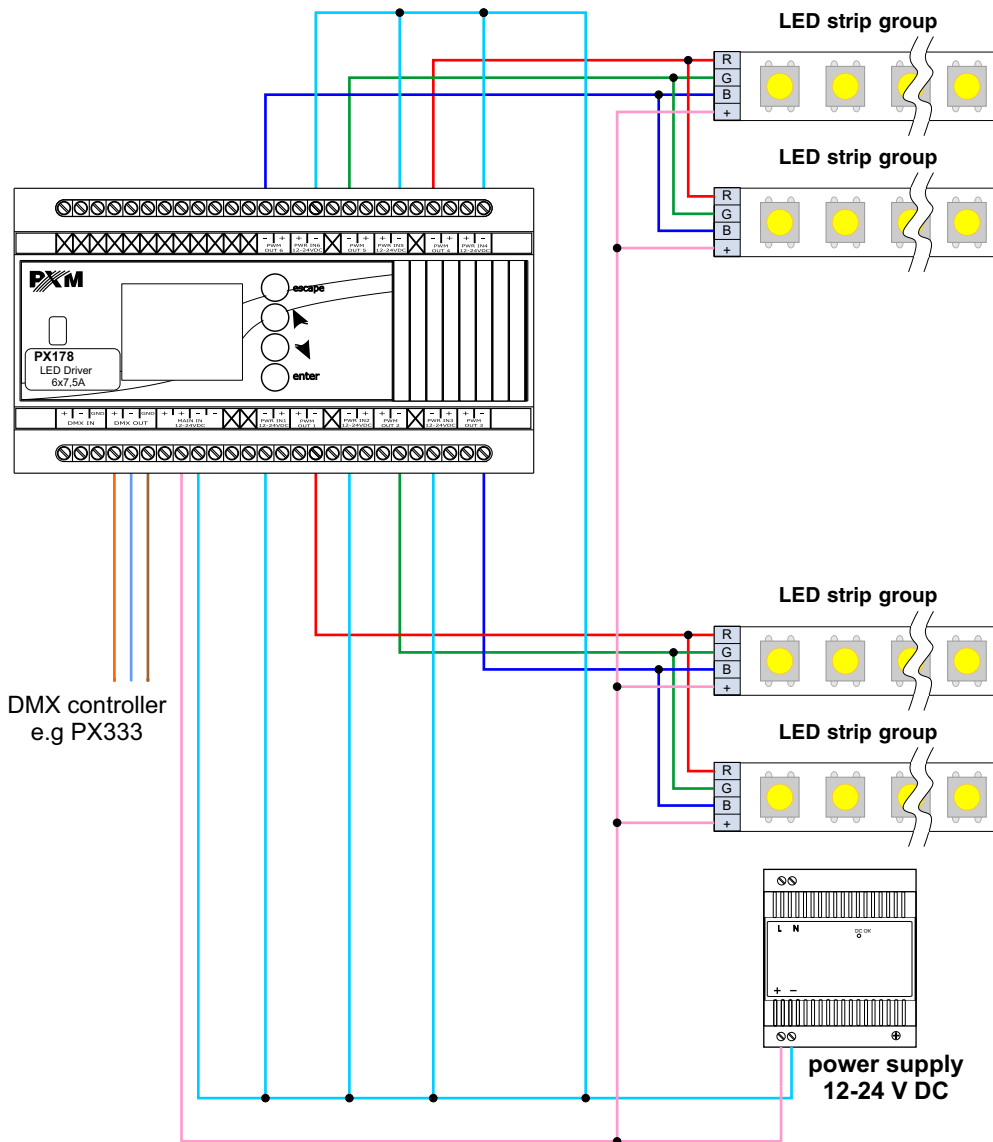
The driver also features an option allowing you to change the control signal adjustment frequency ("flicker free" technology), used in television broadcasting.

The USB port allows the driver to communicate with a computer. The PXM company has developed software for setting program and scene parameters in the driver from the level of a computer running the Windows® system. You can download this application from PXM's website www.pxm.pl

Technical data

Type	PX178
DMX Channels	512
Power Supply	12 - 24 V DC
Total current consumption	Max. 45A
Number of output channels	6
Control accuracy	16 bit
Programmable Scene	8
Number of programs	8
Output Load	7,5 A / channel
Output sockets	terminal blocks
Master / Slave mode	YES
Real time clock	YES
Dimensions	Width: 157,5 mm (9-modules) Height: 85mm Depth: 60mm

Connection diagram



Dimensions - technical drawing

