DATA SHEET

PX783

Driver LED C.C. 4 x 700mA

Device description

The PX783 current driver has been designed for LED control.

The built-in DMX receiver allows for controlling 4 channels (e.g. R, G, B, W) using the DMX protocol directly. The wide range of power supply voltage (12 – 48V DC) and high current-carrying capacity (max. 700mA) enable controlling high numbers of LEDs.

The PX783 can be controlled the DMX signal and it can work on its own. In this case, the user has a fully programmable scene and 18 pre-programmed sequences for which the playback speed and smoothness of step changing can be freely set.

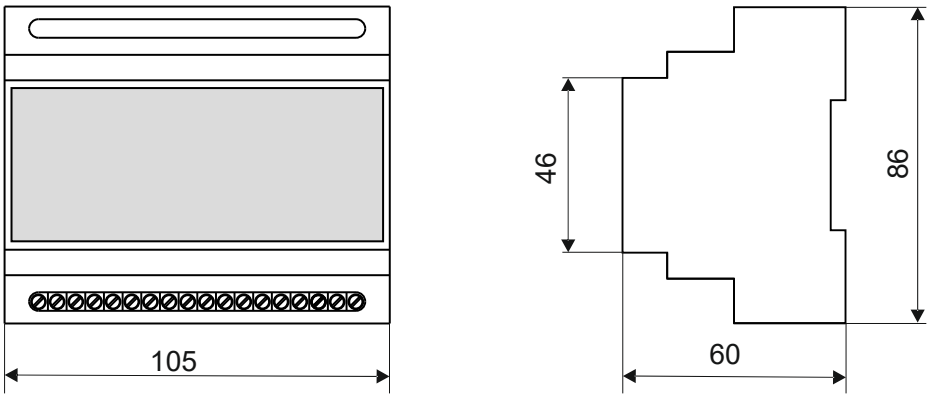
Driver PX783 can operate in different control modes: ***2b*** – brightness and one of the 256 colors define by the manufacturer, ***3b*** – each color RGB can be set separately, ***3bd*** – each color RGB can be set separately and dimmer (dimming all outputs), ***4b*** – each color RGBW can be set separately, ***4bd*** – each color RGBW can be set separately and dimmer (dimming all outputs)***HSL*** – responsible for hue, saturation and lightness, ***dW*** – dynamic white, control channels cold and warm white, ***EFF*** – it is available on 8 DMX channels and control R, G, B, W, Mode, Speed, Fade and Brightness.

The driver has a built-in "*flicker free*" frequency control system, which makes it especially suitable for use in the television industry.

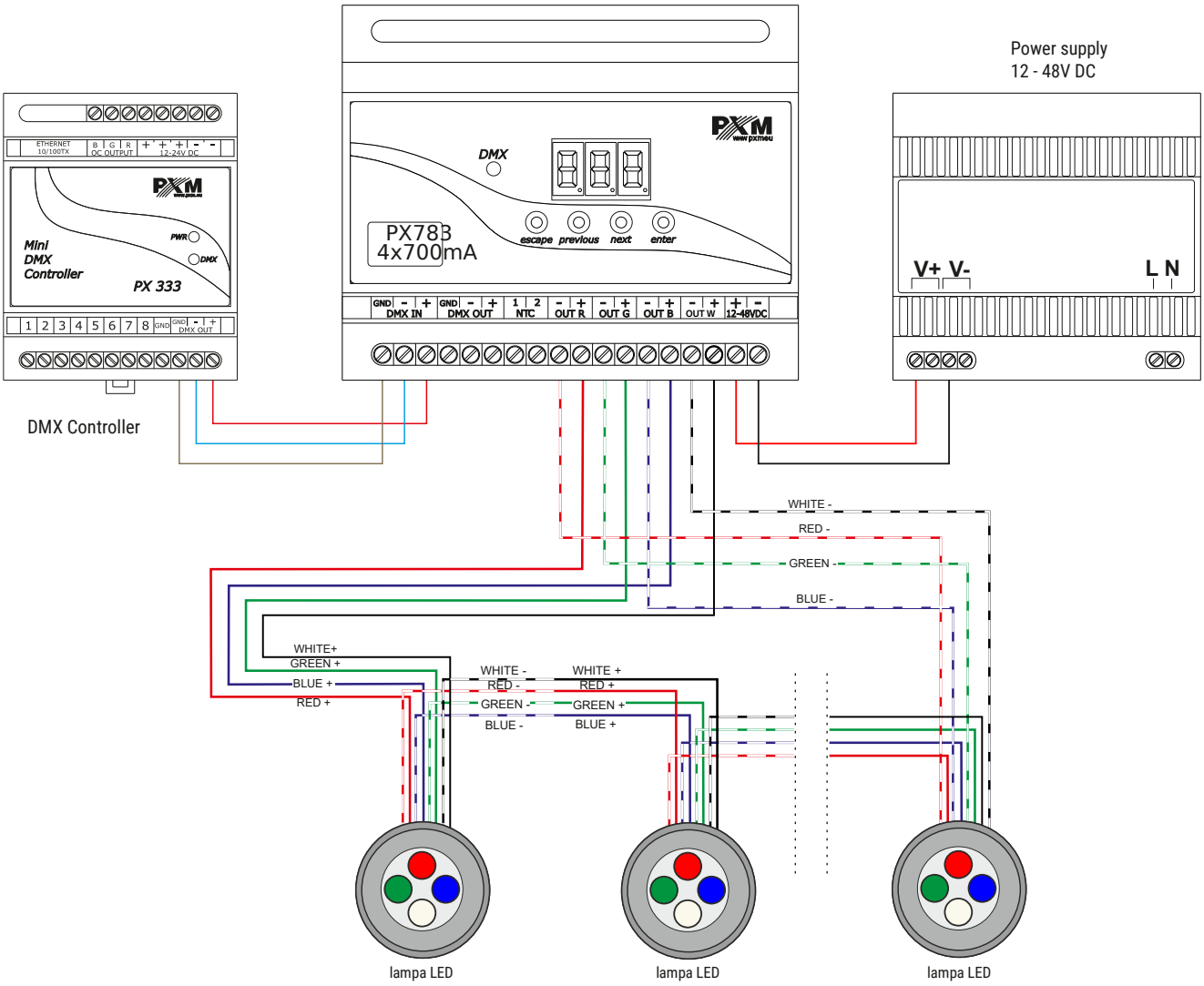
The RGBW LEDs often differ quite substantially in parameters, this can cause problems in obtaining a white color (at full power especially). Therefore PX783 comes with a very useful function called "white balance". Thanks to it you can choose color correction for each set of LEDs controlled by the device to achieve at full power the color white.

What is more, the driver has been equipped with an output for the temperature sensor and RDM protocol support. The support of the sensor allows for power reduction depending on temperature.

Technical drawing



Connection diagram



Technical data

type	PX783
DMX input	1 (512 channels)
DMX output	1 (24 – 512 channels)
RDM protocol support	yes
number of current outputs	4
max current consumption	2,8A
no-load power consumption	1W
output load capacity	700mA / channel (+2% ÷ -5%)
output short circuit protection	yes
output sockets	screw terminals
number of programmable scene	1
built-in programs	18
Master / Slave mode	yes
interpolated resolution of output control	16 bit
power supply	12 – 48V DC
weight	0.2kg
dimensions	width: 105mm (6 DIN rail modules) height: 86mm depth: 60mm