



Driver LED
3x700mA / 48V

Product description

The PX184 driver is intended for LEDs control.

The built-in DMX signal receiver allows to control 3 channels (R, G, B) through DMX protocol. The wide range of feeding voltage and high load capacity allow to control great number of LEDs.

The PX184 can be controlled with DMX signal or operate independently. In such case the user has at disposal a fully programmable scene and 18 factory-defined sequences, for these the user can adjust the playing speed and step-to-step fading smoothness.

The driver makes it possible to set the frequency of the PWM control signal ("flicker free" technology). Thanks to this, it is particularly useful in applications for the television industry.

Because LEDs from the RGB series often differ in parameters, it may cause problems getting a white colour from the RGB channels. That is why PX184 is equipped with a feature known as "white balance". Thanks to it you can adjust the color control of each module, with full power to achieve the color white. What's more, this feature allows to some extent also adjust the color temperature of white color.

In addition, the driver is equipped with a temperature sensor output and support of RDM protocol (starting from serial number 14290020). The temperature sensor support enables the reduction of power diodes according to the temperature measured in the lamp.

Technical data

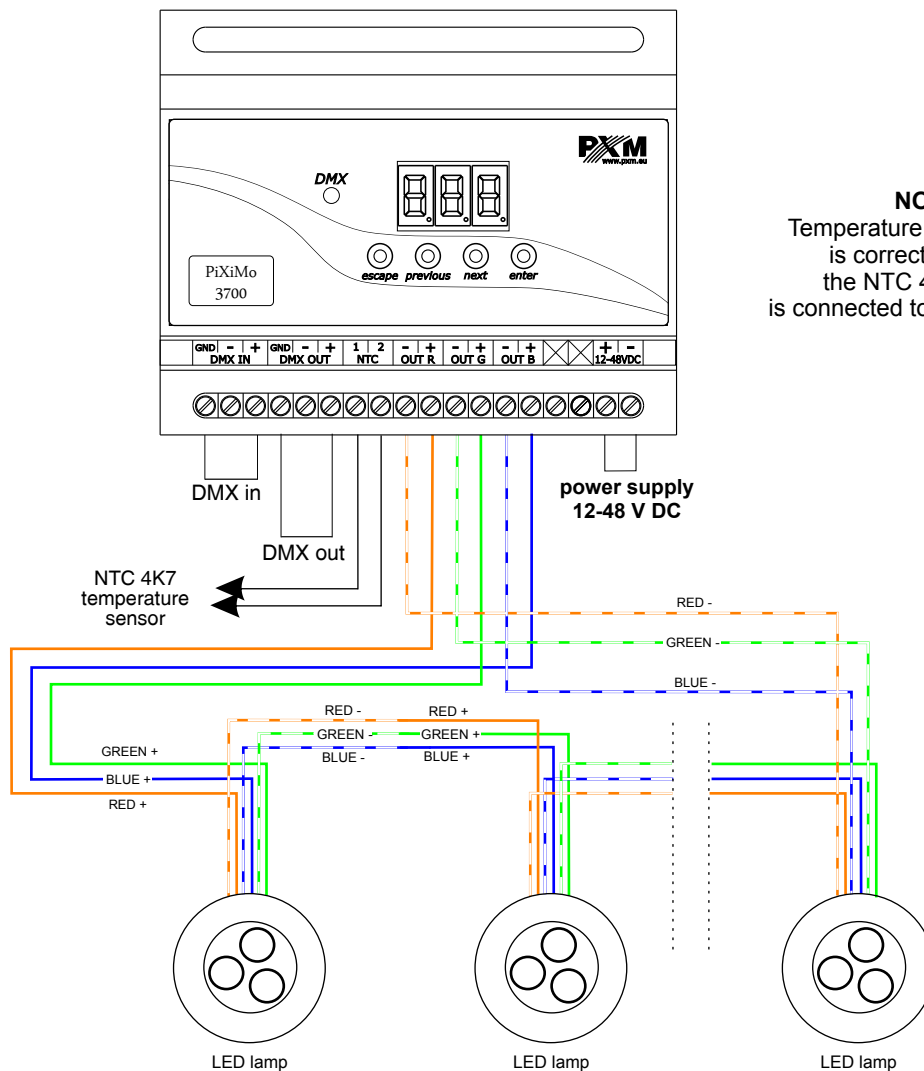
Type:	PX184
DMX channels:	512
Power supply:	12 - 48V DC
Current consumption:	Max. 2,1A
No-load power consumption:	0,8 W
Output channels number:	3
Control accuracy:	16 bit
Programmable scenes:	1
Built-in programs:	18
Outputs load capacity:	700mA / channel ^{+2 %} _{-10 %}
Output sockets:	terminal blocks
Tryb Master:	YES
DMX channels Output:	24-512 (3 controlled)
Weight:	0,240 kg
Dimensions:	Width: 105 mm (6 modules) Height: 86 mm Depth: 60 mm

Power supply	Number of 3W LEDs		
12V DC	1	2	3
24V DC	4	5	6
36-48V DC	7	8	9
48V DC	10	11	12

Connection diagram

Example connection the PX184 driver to the LED lamp:

- the cables should be connected with the correct order of colors,
- LEDs should be connected only in series,
- controlled LEDs can be connected using two conductors only, i.e. two per channel,
- the number of serially connected LEDs depends on the driver and supply voltage.



NOTE:
Temperature measurement
is correct only when
the NTC 4K7 sensor
is connected to the driver input

Dimensions - technical drawing

