PX268+

Driver LED C.C.

12 x 350mA

User manual

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Manufacturer reserves the right to make modifications in order to improve device operation.

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1 Description

Driver PX268+ is designed to control LEDs, it is ideal for use in simple systems. Built-in receiver allows control of 12 channels directly with DMX protocol. To each of the 12 channels it is possible to connect up to 3 LEDs.

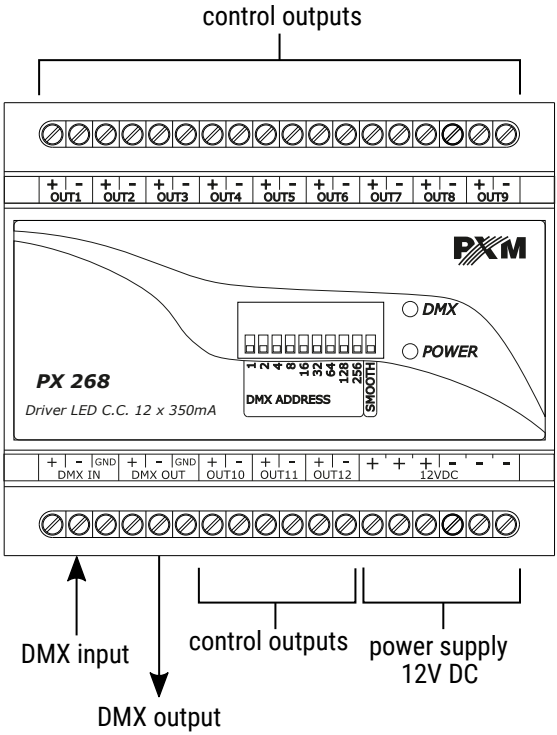
The PX268+ can only be controlled with DMX. Built-in DIP Switch allows to set the starting address of the first channel. The rest of DMX channels are assigned the following after each other higher addresses. The value of this address is set in binary code. In addition, the last section of the switch allows to activate the *Smooth* option. This feature smooths the transition between successive control signal values for fluent changes of control in the connected lamps.

2 Safety conditions

PX268+ is a device powered with safe voltage 12V DC; however, during its installation and use the following rules must be strictly observed:

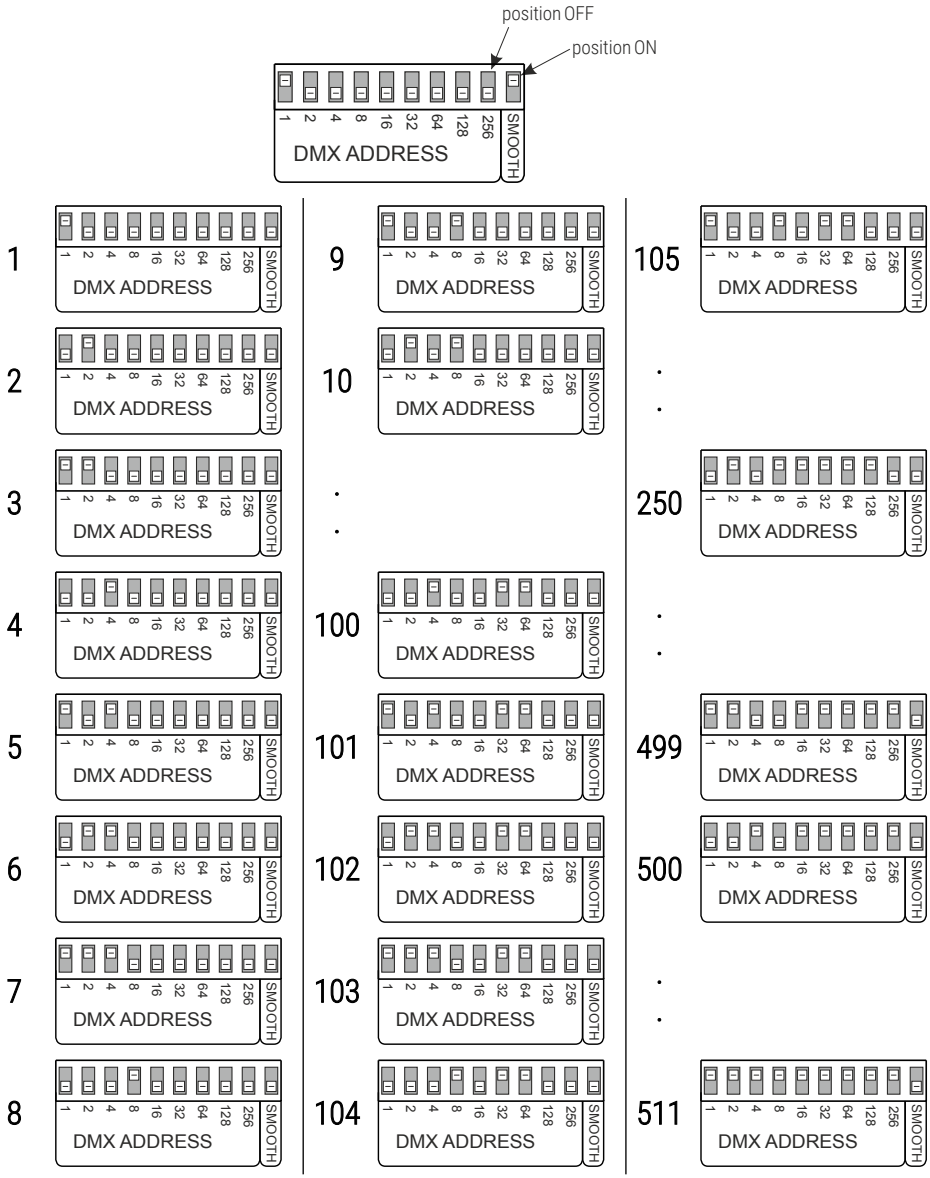
1. The device may only be connected to 12V DC with current-carrying capacity compatible with technical data.
2. All the conductors should be protected against mechanical and thermal damage.
3. In the event of damaging any conductor, it should be replaced with a conductor of the same technical data.
4. Connection of DMX signal can only be made with shielded conductor.
5. All repairs and connections of outputs or DMX signal can only be made with cut off power supply.
6. The PX268+ should be strictly protected against contact with water and other liquids.
7. All sudden shocks, particularly dropping, should be avoided.
8. The device cannot be turned on in places with humidity exceeding 90%.
9. The device cannot be used in places with temperature lower than +2°C or higher than +40°C.
10. Clean with damp duster only.

3 Connectors and control elements



4 DMX address setting

The PX268+ allows to set an address on a single DMX channel. The start address is set in binary code using a DIP Switch. On the next page you will find some sample settings of the start address. First 9 switches are responsible for setting the start DMX address, the last (10th) DIP Switch actives *Smooth* function.



NOTE! When the start address is set to 500, the output channels occupy the addresses 500 – 512, respectively, while if the DMX address is set to 511, then the 1st and 2nd channel will occupy the addresses 511 and 512 – the rest of the channels will be out of range (they will be inactive).

4.1 Smooth function settings

Active *smooth* function and starting DMX address on the first channel.

Activating of the *smooth* function allows to flatten steps between successive control signal values and ensures fluent changes e.g. brightness. This feature prevents common effects of light flickering during brightness or color changes in light installations.

5 Indication light

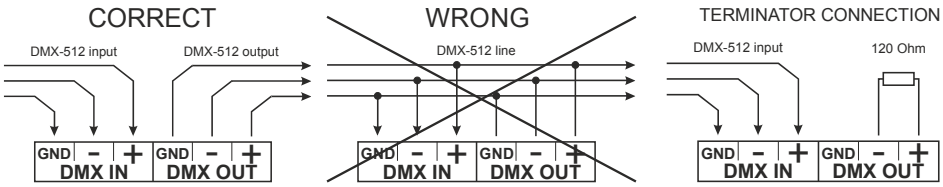
The driver is equipped with indicator lights:

Indicator	Action	Function
yellow ● *Power*	permanent light	the device working properly
blue ● *DMX*	blinking every 0.5s	DMX signal is received
	fast blink every 3s	the device is not receiving DMX signal

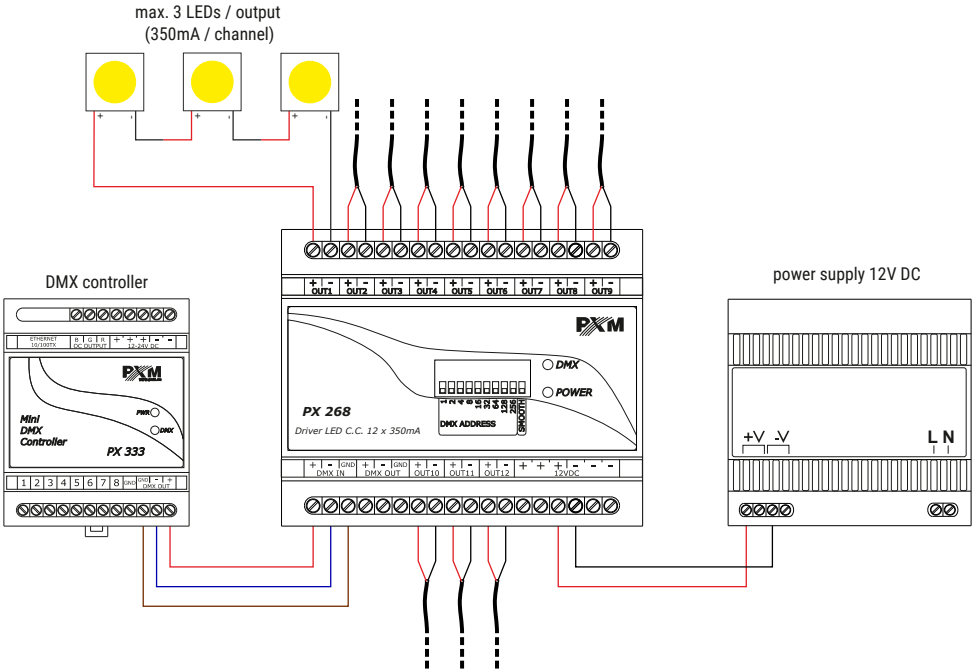
6 DMX signal connecting

PX268+ have to be connected to DMX line in serial mode, with no branches on DMX control cable. That means that DMX line, from the signal source, must be connected to ***DMX IN*** pins of PX268+ and later, directly from ***DMX OUT*** pins to the next device in DMX chain.

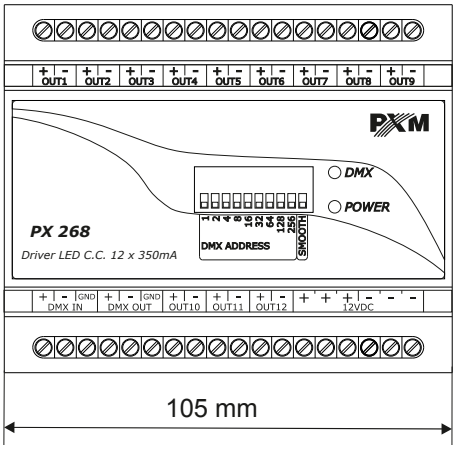
If the PX268+ is the last DMX chain receiver there should be terminator (resistor 120 Ohm) mounted between "***+***" and "***-***" pins of ***DMX OUT*** section.

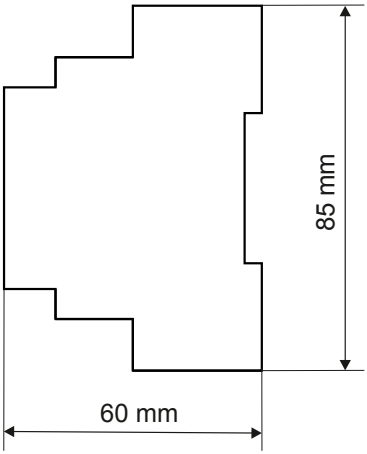


7 Connection scheme



8 Dimensions





9 Technical data

type	PX268+
DMX channels	511
power supply	12V DC
max. current consumption	4,2A
power consumption without load	0,8W
number of output channels	12
interpolated resolution of output control	16bit
outputs load capacity	350mA / channel (+2% ÷ -5%)
connection sockets	screw terminals
weight	0.3kg
dimensions	width: 105mm (6 DIN modules) height: 85mm depth: 60mm

Podłęże, 19.05.2022

DECLARATION OF CONFORMITY

PXM Marek Żupnik spółka komandytowa
Podłęże 654, 32-003 Podłęże

we declare that our product:

Product name:	Driver LED C.C. 12 x 350mA
Product code:	PX268+

meets the requirements of the following standards, as well as harmonised standards:

PN-EN IEC 63000:2019-01	EN IEC 63000:2018
PN-EN 61000-4-2:2011	EN 61000-4-2:2009
PN-EN IEC 61000-6-1:2019-03	EN IEC 61000-6-1:2019
PN-EN 61000-6-3:2008	EN 61000-6-3:2007

and meets the essential requirements of the following directives:

2011/65/UE DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
Text with EEA relevance.

2014/30/UE DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast)
Text with EEA relevance.

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