

PX271

Splitter LED 12

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

PX271 (Splitter LED 12) is a device designed to create extensive lighting installations using PX167 or PX203 lamps. By using a splitter it is possible to conveniently connect up to 12 lights to one driver using RJ-45 connectors.

The device facilitates installation management and eliminates the need for complicated cabling. The PX271 is the ideal solution for systems requiring a large number of light points, ensuring their reliable operation.

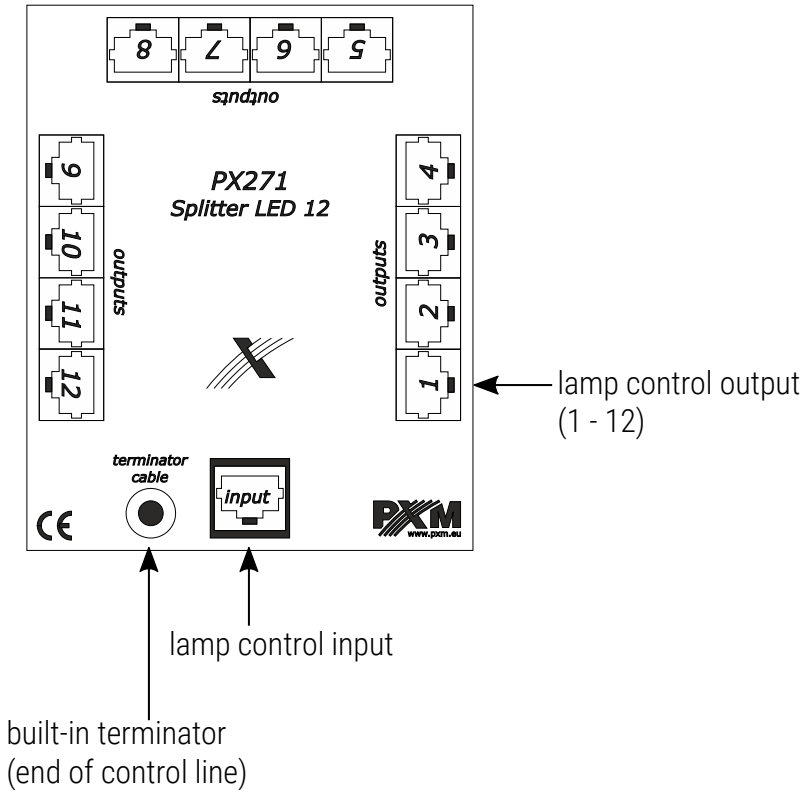
The PX271 is enclosed in a plastic housing.

2 Safety conditions

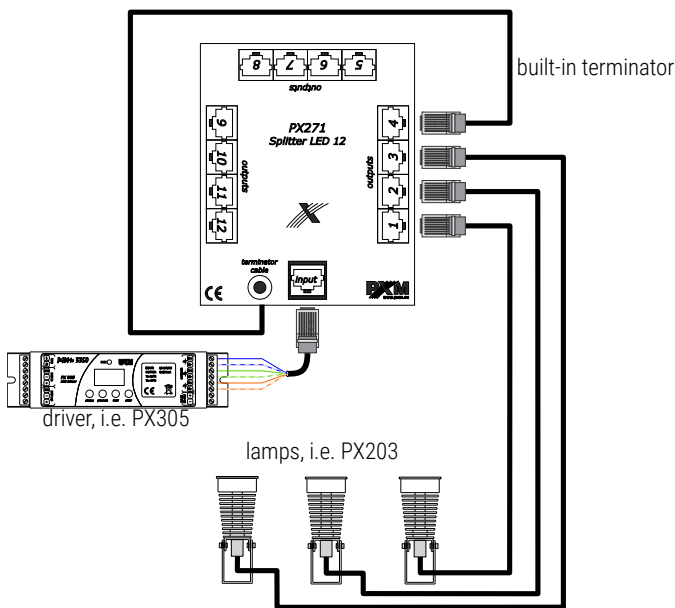
The PX271 is designed to distribute power to the PX203 and PX167 lamps, however, the following rules must be strictly adhered to during its installation and use:

1. All the conductors should be protected against mechanical and thermal damage.
2. In the event of damaging any conductor, it should be replaced with a conductor of the same technical data.
3. All repairs and connections of outputs can only be made with cut off power supply.
4. Always protect the PX271 from contact with water and other liquids.
5. All sudden shocks, particularly dropping, should be avoided.
6. Do not switch on the device in rooms with humidity above 90%.
7. The device should not be used in rooms with temperatures lower than +2°C or higher than +40°C.
8. For cleaning, use only a slightly damp cloth.

3 Description of connectors



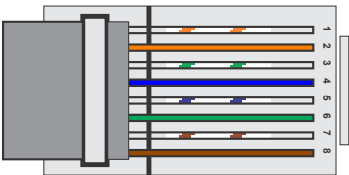
4 Connection scheme



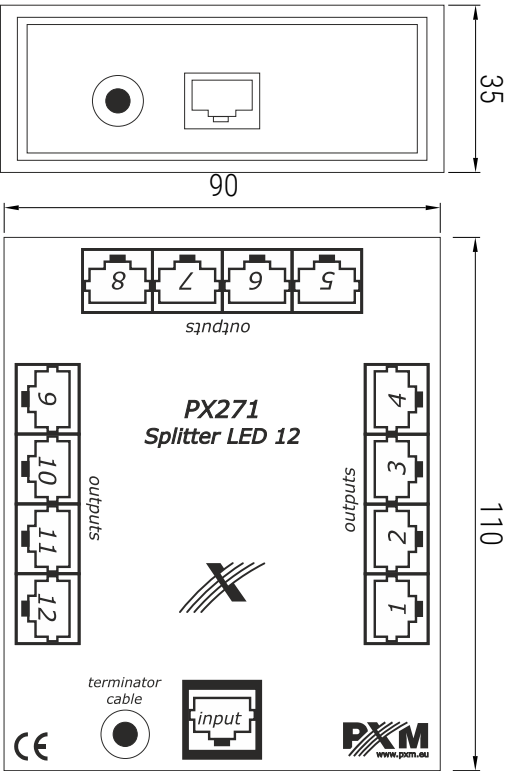
NOTE! The lamps should be connected starting from inputs 1, 2, 3, etc. If, for example, there are lights *only* on outputs 1, 2 and 3, it means that a built-in terminator (*terminator cable*) should be connected to output number 4. If all 12 outputs are used, then the built-in terminator (*terminator cable*) is not connected.

Pin	Wire
1	red R-
2	red R+
3	green G-
4	blue B+
5	blue B-
6	green G+
7	white W-
8	white W+

Plug diagram



5 Dimensions



6 Technical data

type	PX271
input	1 x RJ-45
output	12 x RJ-45
built-in terminator (line termination)	yes
connectors	RJ-45
cooperation	lamps PX203 / PX167 driver, i.e. PX305
housing	plastic
weight	0.2kg
dimensions	width: 90mm height: 110mm depth: 35mm

DECLARATION OF CONFORMITY

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

we declare that our product:

Product name: Splitter LED 12

Product code: PX271

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 IEC 61000-6-3:2021-08	EN IEC 61000-6-3:2021

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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