



DATA SHEET

PX838-RDM

LED Lamp Splitter

Device description

A splitter, a DMX signal distributor, allows for the creation of branches in extensive DMX installations. Connecting a large number of receivers in series can be troublesome, which is why the possibility of creating branches of the DMX track using a splitter was created.

With the PX838-RDM you can split the input DMX signal into 4 independent branches. The individual output lines are galvanically separated from both the input and from each other. The splitter can operate in three modes:

- **filtering** – incoming RDM packets are discarded and the output DMX signal is completely regenerated with the following parameters:
 - Break – 320µs,
 - MAB – 30µs,
 - MBF – 10µs,
 - WAIT – 200µs,
 - the number of sent channels is 24 – 512 depending on the number of input channels – PX838-RDM recognizes how many DMX channels are received,
- **bypass** – the output signal is exactly the same as the input signal – RDM is not supported,
- **normal** – the splitter allows for bidirectional transmission of RDM packets.

PX838 is a device that allows you to connect many LED lamps to one power supply and DMX controller. It is adapted to connect 4 lamps. If all output connectors are not occupied in the LED splitter, jumpers should be used between the pins of the DMX control signal.

The splitter is placed in a plastic housing with IP65 protection class.

The product is dedicated to work with PX837-H and PX837-F lamps.

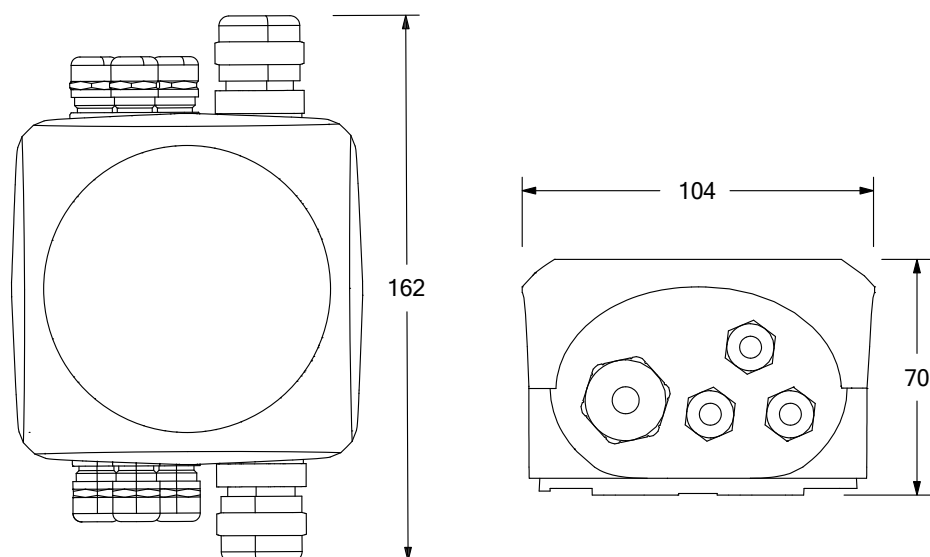
Wire colors

Version 1

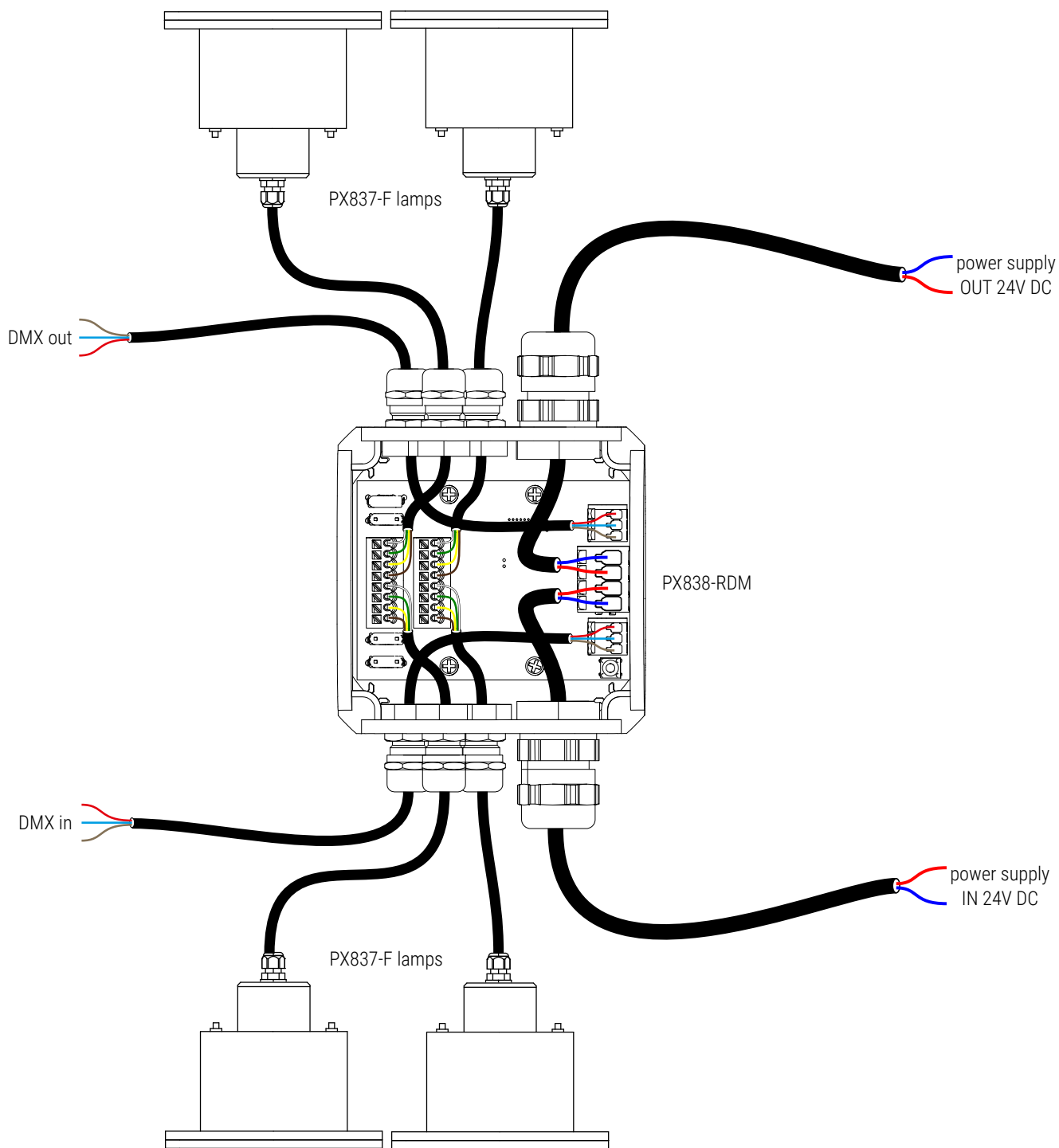
- white – V+ (24V DC),
- brown – V-,
- yellow – DMX- IN,
- green – DMX+ IN.

Version 2

- red – V+ (24V DC),
- red-black – V-,
- green-black – DMX- IN,
- green – DMX+ IN.



Connection diagram



Technical data

type	PX838-RDM
power supply	24V DC
DMX channels (IN = OUT)	24 – 512
number of lamp outputs	4
number of modes	3 (filtering / bypass / normal)
RDM protocol support	yes (in "normal" mode)
housing	plastic
optical isolation of DMX lines	yes
insulation breakdown voltage IN/OUT	>1000V
number of cable gland	8
power consumption	max. 5W
IP class	IP65
color	black
weight	0.3kg
dimensions	width: 162mm height: 104mm depth: 70mm