DATA SHEET

PX097-IP-RDM

DMX Repeater IP65 RDM



Illustrative photo

Device description

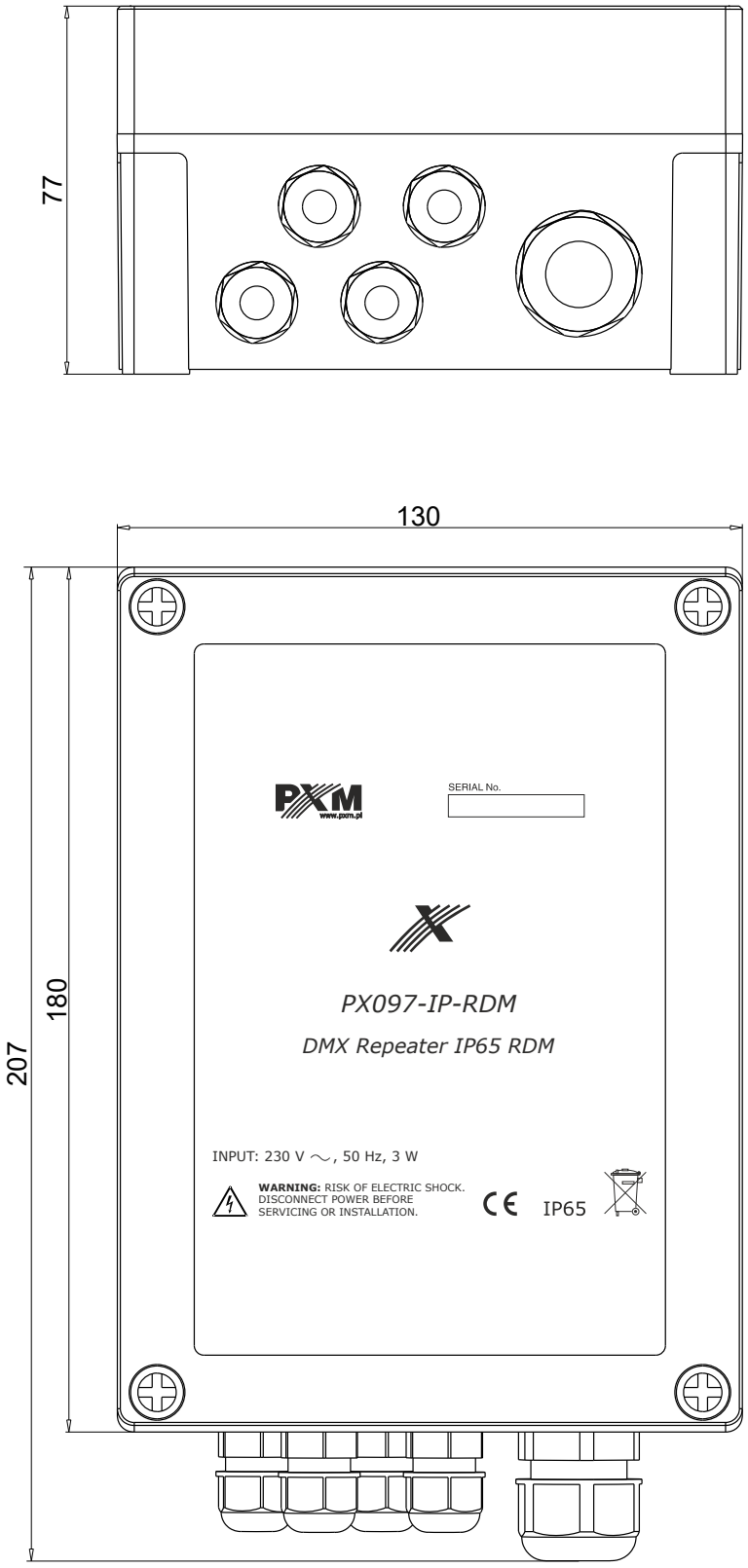
A repeater, a DMX signal distributor, allows for the creation of branches in extensive DMX installations. Connecting a large number of receivers in series can be troublesome, which is why the possibility of creating branches of the DMX track using a repeater was created.

With the PX097-IP-RDM you can multiply the input DMX signal into 2 independent branches. The individual output lines are galvanically separated from both the input and from each other. The repeater can operate in three modes:

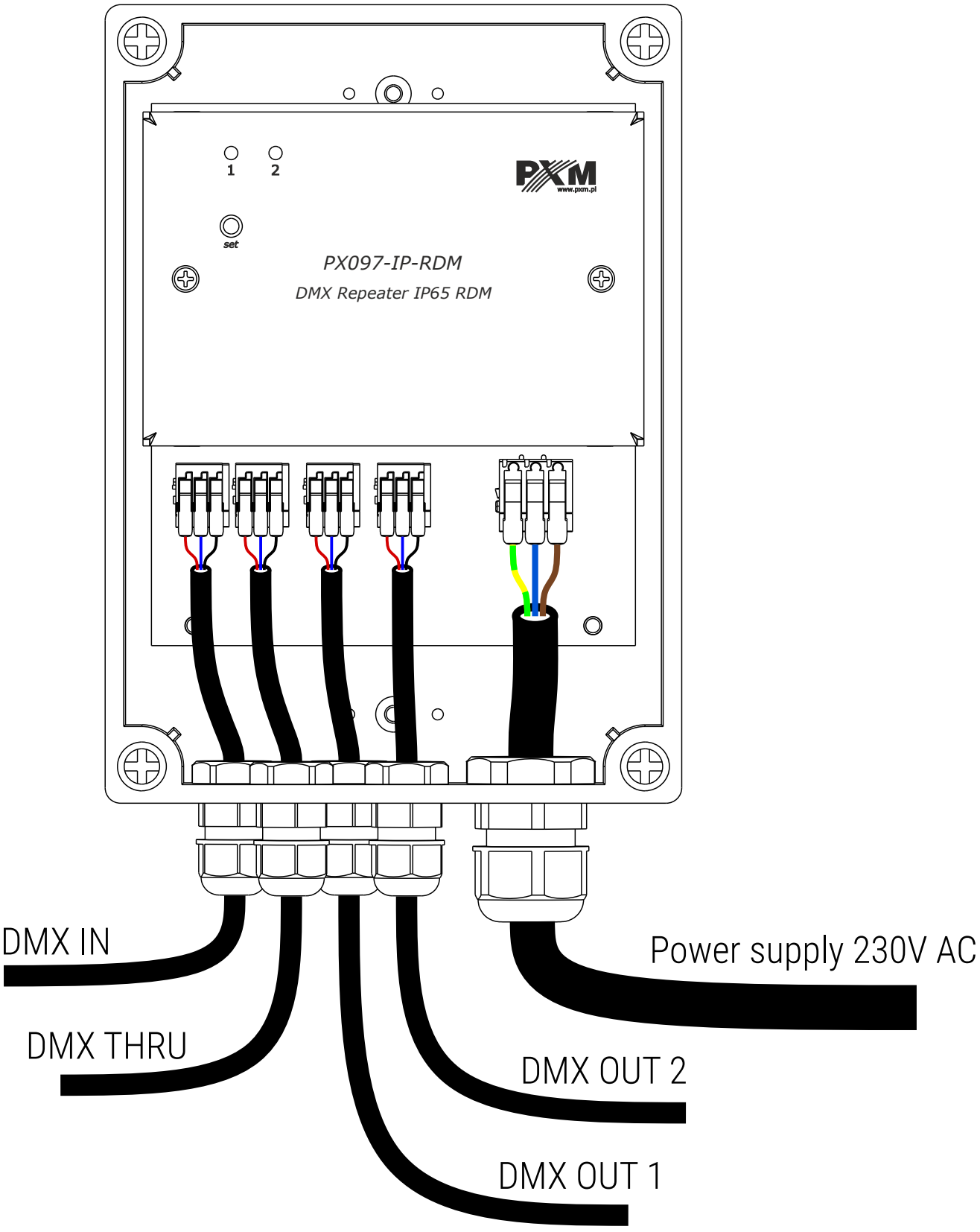
- ***filtering*** – incoming RDM packets are discarded and the output DMX signal is completely regenerated with the following parameters:
  - *Break* – 320µs,
  - *MAB* – 30µs,
  - *MBF* – 10µs,
  - *WAIT* – 200µs,
  - the number of sent channels is 24 – 512 depending on the number of input channels – PX097-IP-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 repeater allows for bidirectional transmission of RDM packets.

The DMX Repeater is manufactured in an IP65 housing.

Technical drawing



Connection diagram



Technical data

type	PX097-IP-RDM
power supply	230V AC
DMX channels (IN = OUT)	24 – 512
number of DMX inputs	1
DMX thru output	1
number of DMX outputs	2
number of modes	3 (filtering / bypass / normal)
RDM protocol support	yes (in "normal" mode)
optical isolation of DMX lines	yes
insulation breakdown voltage IN/OUT	>1000V
power consumption	max. 3W
tightness class	IP65
weight	0.6kg
dimensions	width: 130mm height: 180mm (207mm with cable entries) depth: 77mm