DATA SHEET

PX235
0-10V/DMX Interface 8ch

Device description

Multiplexer is a device that allows to change analog signal 0 – 10V to the DMX512 signal. Analog signal is converted into a digital signal and then it is inserted or replaced at the appropriate (chose by the user) DMX channel from the DMX512 package.

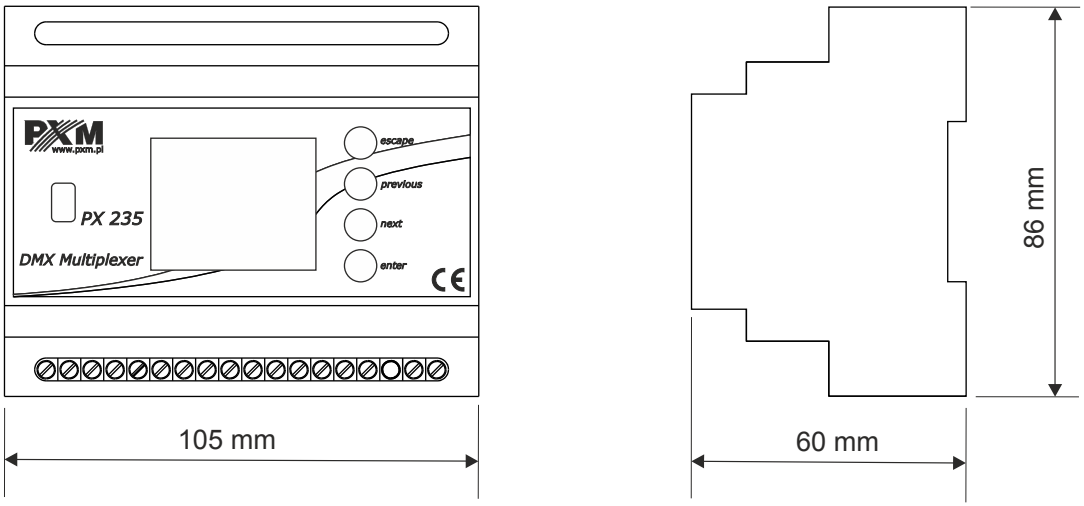
The PX235is a professional device enabling the reception of data from 8 analogue inputs 0 – 10V and their conversion to a DMX signal. The device allows to select a channel from the DMX512 package, to which the processed signal is insert. The PX235 has one DMX signal input and output. The built-in color display makes it easier to operate the device, as well as the graphical representation of the signal status and thus allows its control.

In addition, the device has a built-in wind sensor module. It allows to conversion of pulse signal to digital values of the DMX512 packet.

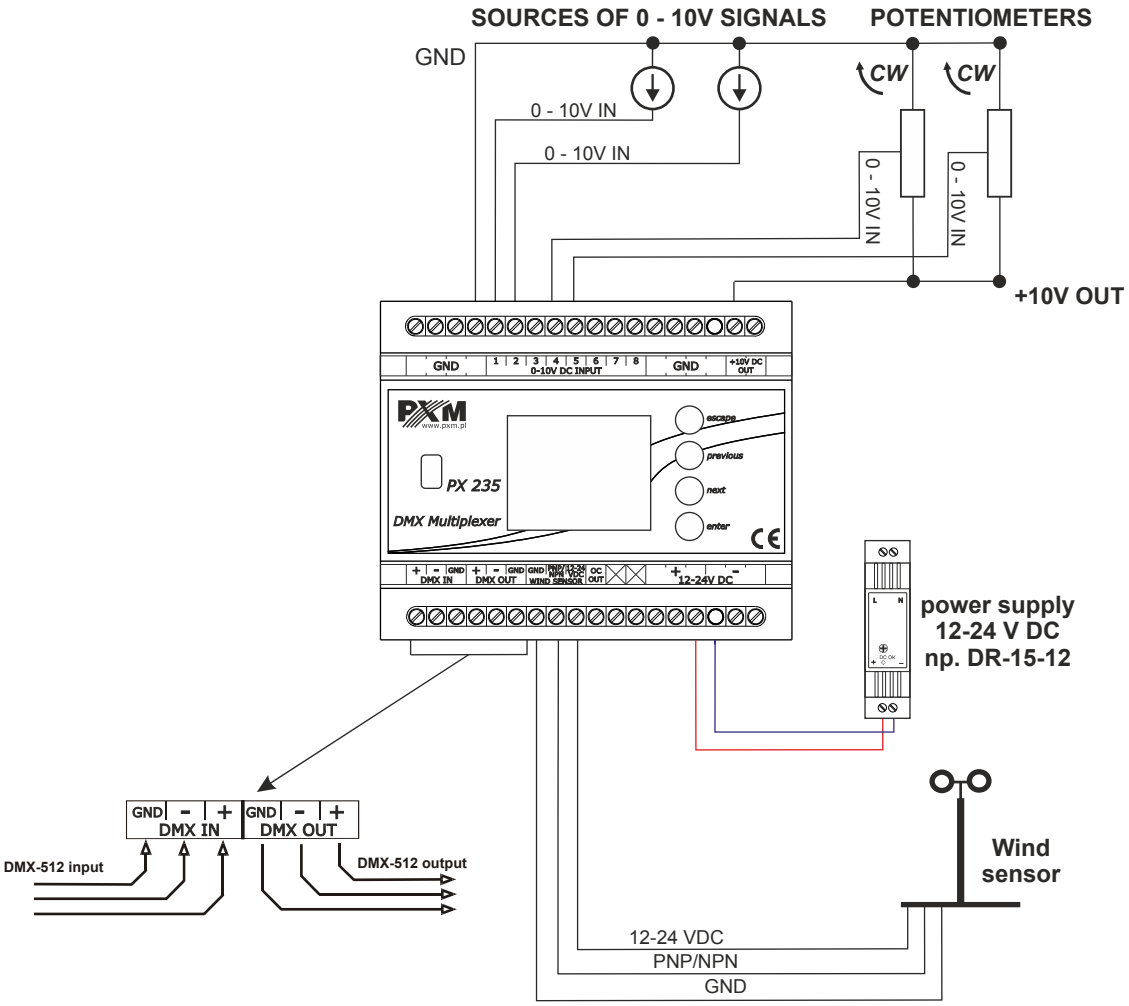
The Multiplexer also has an OC type (Open Collector) output that allows signaling of preset states, e.g. caused by changes in wind speed, in the form of alarms. Sample application: lowering the height of the water jet.

The device also has a 10V output that can power analog sensor such as potentiometers and photometers. The USB connector allows to communicate with a computer and to update a software installed on the PX235.

Technical drawing



Connection diagram



Technical data

type	PX235
power supply	12 – 24V DC
power consumption	max. 3W
DMX output	1 (512 channels)
DMX input	1 (512 channels)
0 – 10V inputs	8
input resistance 0 – 10V	100kΩ
input current consumption 0 – 10V	0,1mA
10V output	1 (to power supply e.g. potentiometers)
10V output load	50mA
OC output	1
load capacity OC type	0,5A
connectors	terminal blocks, USB
weight	0.2kg
dimensions	width: 105mm (6 modules) height: 86mm depth: 60mm