DMX Controller

Controller description

PX145+ Compact Light Controller is a lighting controller that allows to control complex lighting installations.
To communicate with the environment 24 on / off inputs, output in standard DMX-512, remote wireless control transmitting in the code RC-5 input and USB port are used.

The module is designed to control both fast and slow changes in lighting installations. It suits perfectly synchronization of music and dynamic lighting or control all intelligent devices. Thanks to that the device can also control complex lighting installations, e.g. for museums, facades lighting, fountains, etc.

The device is programmed with the use of external application on the Windows® (Windows® XP, VISTA™, Windows® 7 or Windows® 8) platform via the USB port. After setting up it can work completely independently.
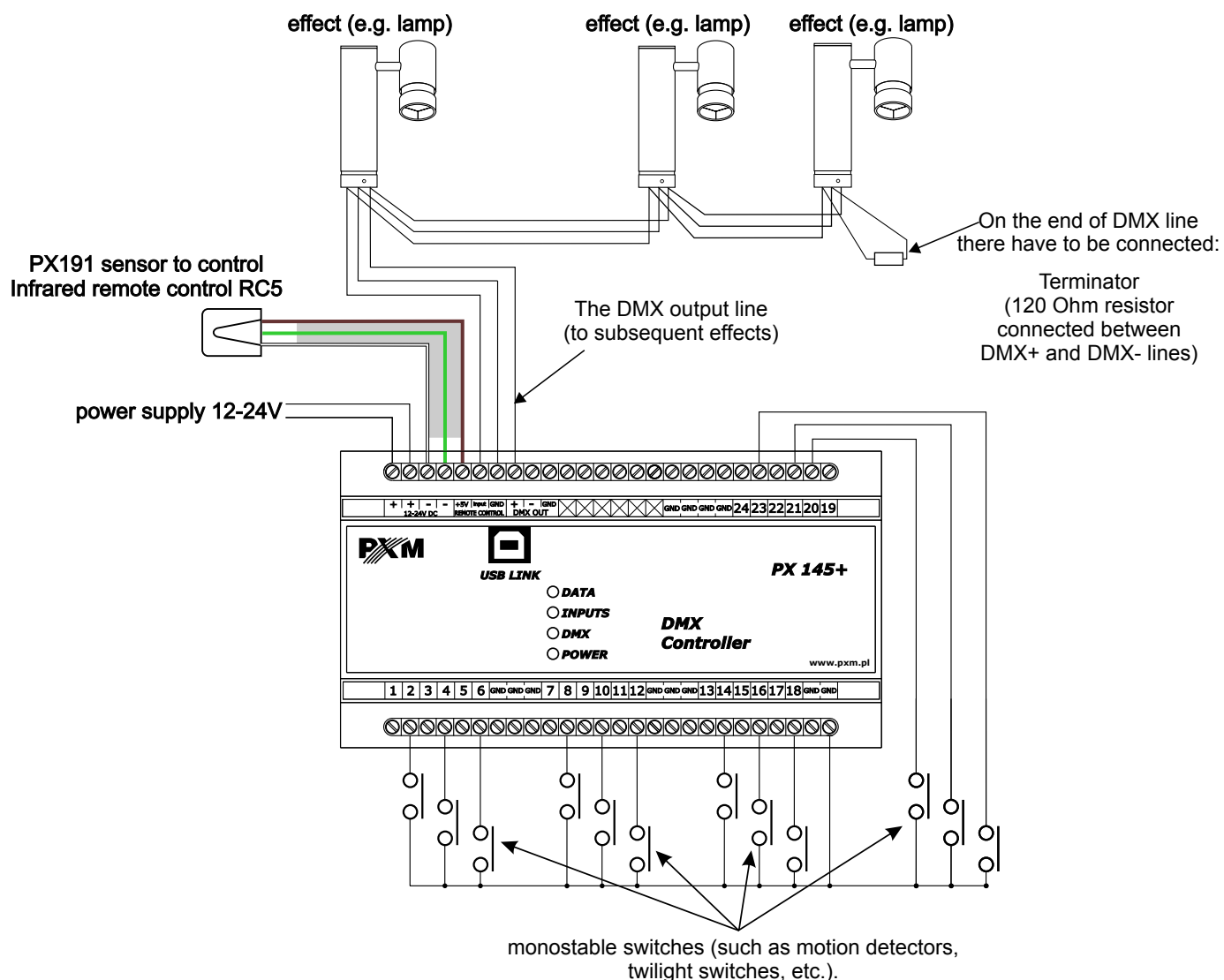Control of the module can be done from the outside devices with the keys (it may be, for example switches, motion or dusk detectors), or remote controller. Device has built-in real time clock which allows precise planning of events and programming of them in 1024 the timers. It is possible to correlate the events with built-in array of sunrises and sunsets for user-defined geographic coordinates.

PX145+ can control up to 64 DMX channels, define the 10240 scene and the creation of these 512 programs, consisting of a maximum of 999 steps each. In addition, scenes and programs can be combined in sequences. The controller also has a built-in status, which condition the execution of any share from others to prevent and reduce the daily running light configuration within a preset time interval.

Technical Data

Type	PX145+
Power supply:	12-24V DC
Max. current consumption:	400mA
Control outputs on / off type:	24
Remote controller RC-5 output:	1
DMX output channels:	64
Real time clock:	YES
Programmable options: Scenes programs Timers sequences delays internal events Masks	10240 512 (max 999 steps each) 1024 128 512 1024 256
Programmable range time of scenes / steps:	0,1 s - 1,49 h
Dimensions:	Width: 157,5 mm (9 DIN rail modules) Height: 86 mm Depth: 60 mm

Device scheme

effect (e.g. lamp)   effect (e.g. lamp)   effect (e.g. lamp)

On the end of DMX line there have to be connected:

Terminator
(120 Ohm resistor
connected between
DMX+ and DMX- lines)

PX191 sensor to control
Infrared remote control RC5

The DMX output line
(to subsequent effects)

power supply 12-24V

+	+	–	–	+5V	Input	GND	+	–	GND
12-24V DC				REMOTE CONTROL			DMX OUT		

GND GND GND 24 23 22 21 20 19

USB LINK

○ DATA
○ INPUTS
○ DMX
○ POWER

PX 145+

DMX
Controller

www.pxm.pl

| 1 | 2 | 3 | 4 | 5 | 6 | GND | GND | GND | 7 | 8 | 9 | 10 | 11 | 12 | GND | GND | GND | 13 | 14 | 15 | 16 | 17 | 18 | GND | GND |

monostable switches (such as motion detectors,
twilight switches, etc.).

Technical drawing

157,5mm

46 mm

86 mm

60mm