



Device description

The PX186 driver is designed to control the LEDs. This is the most advanced device of this type available in the offer of the PXM company. The PX186 is placed in a housing equipped with a color screen LCD. This allows to program and control the operation of the device to run intuitively. DMX receiver allow to control up to 6 channels (e.g. 2 x RGB) directly using the DMX protocol.

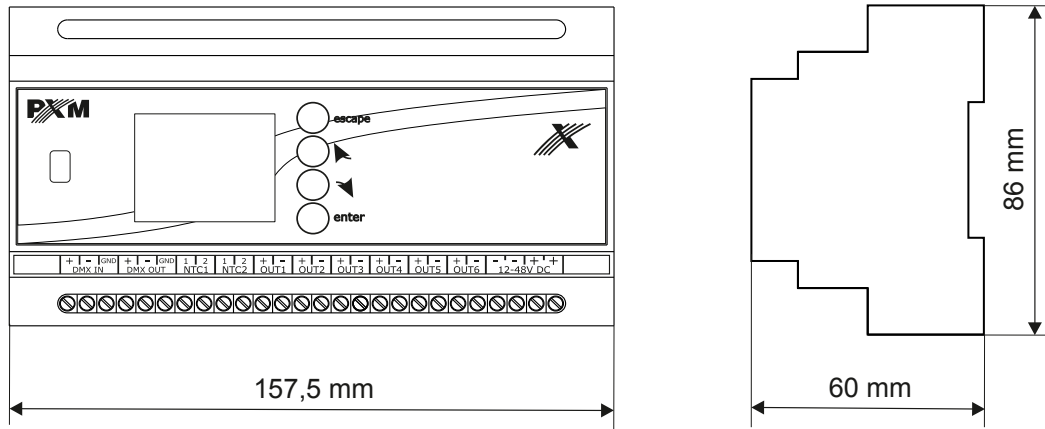
Wide power supply voltage range allows to control large quantities of LEDs. In addition, the device uses overcurrent protection, temperature protection to prevent overheating of the driver and the DMX line surge protection.

The PX186 can be either controlled from DMX protocol or act independently. In this case, the user have 8 fully programmable scenes and 8 programs. Both of them can also be abundantly changed, where such setting like: the playback speed or fluidity changes in steps can be modified. Thanks to 16-bit resolution control of parameters of each channels is completely smooth.

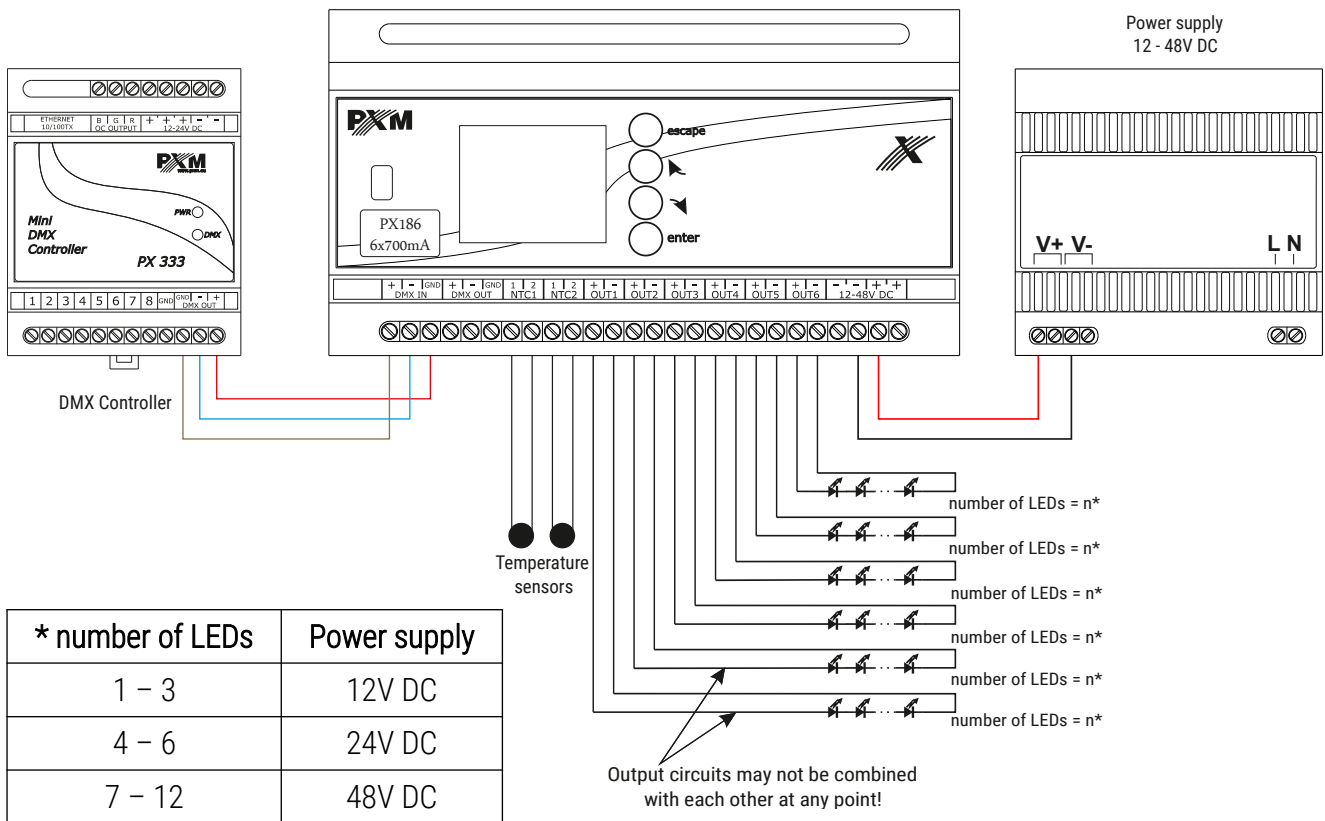
The driver has a built-in real time clock. It allows to set a time of switching on / off LED lamps what is particularly useful for advertising systems. In addition, the built-in astronomical clock option allows, based on information about the current date, geographical coordinates of the place of installation of the device (location) and settings relative to universal time (Greenwich UT) automatically determines the daily, time points of turning on and off the driver outputs according to astronomical sunrise and sunset times.

The device has the option to change the signal tuning frequency ("*flicker free*" technology), which makes it particularly useful in applications for the television industry. In addition, a USB input allows to communicate with the computer. PXM has prepared software that allows setting program and scene parameters on the driver from a PC with Windows®.

Technical drawing



Connection diagram



Technical data

type	PX186
power supply	12 – 48V DC
DMX input	1 (512 channels)
DMX output	1 (512 channels)
number of output channels	6
programmable scenes	8
number of programs	8
control accuracy	16 bit
output load	700mA
MASTER / SLAVE mode	yes
output sockets	screw terminals, USB
weight	0.4kg
dimensions	width: 157,5mm (9 DIN rail modules) height: 86mm depth: 60mm