

DATA SHEET

PX787

DMX / DALI 1x

Device description

PX787 is a DMX-512 control signal converter for DALI protocol and the DALI line programmer.

DMX / DALI 1x is an advanced converter that allows to combine lighting installations based on the DALI protocol with DMX-512 control system. Using the PX787, you can connect devices working in the DALI protocol to the controller sending the DMX-512 signal.

The device is equipped with DMX port and one DALI port which allows to connect up to 64 devices – in accordance with the DALI standard. The converter also supports four digital inputs, from which you can set such actions as: turn on / off, set the scene or set the brightness.*

Managing PX787 settings is possible by means of buttons and screen or by means of a built-in Web Server. Changing the settings includes:

- searching for DALI devices,
- change of ballast parameters (e.g.: brightness, address, "*fade time*", "*fade rate*", etc.),
- changing the conversion settings from DMX to DALI,
- change of converter network settings,
- firmware upgrade.

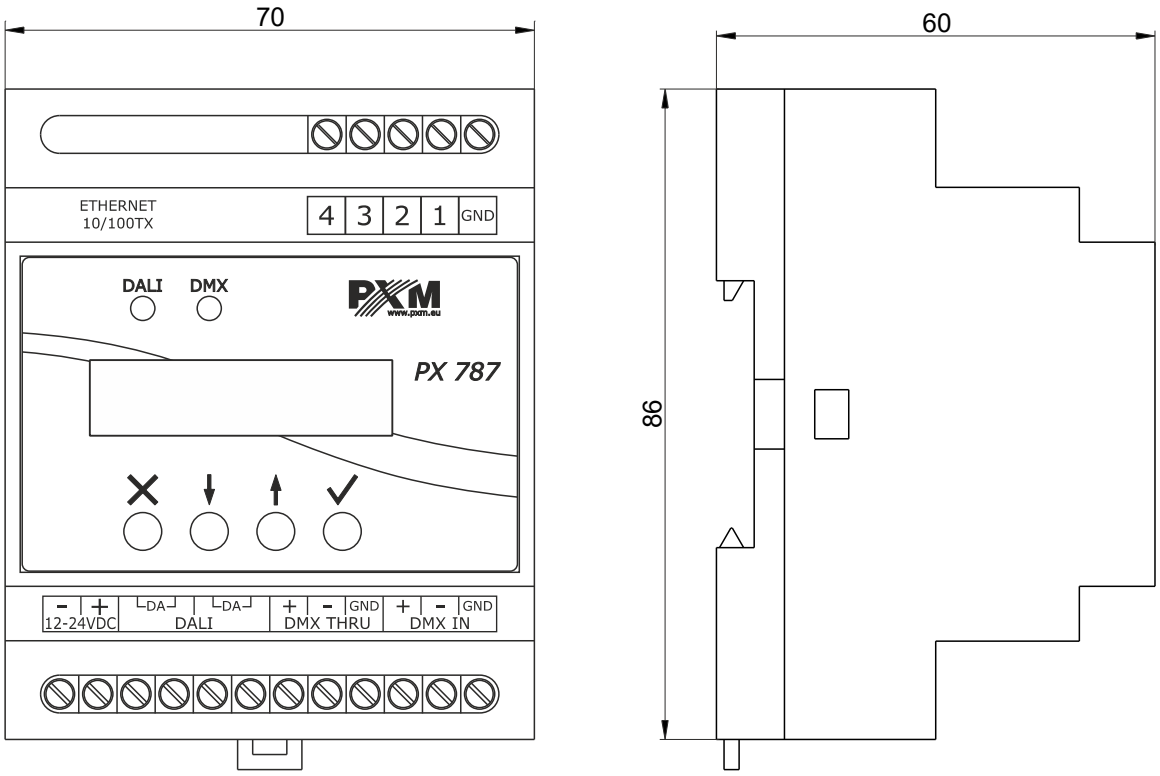
Moreover, the RDM protocol was implemented in the PX787.

DMX / DALI 1x has been placed in a housing adapted for mounting on a 35mm DIN rail and is supplied with 12 – 24V DC safe voltage. Please note that the DALI line must have external power supply.

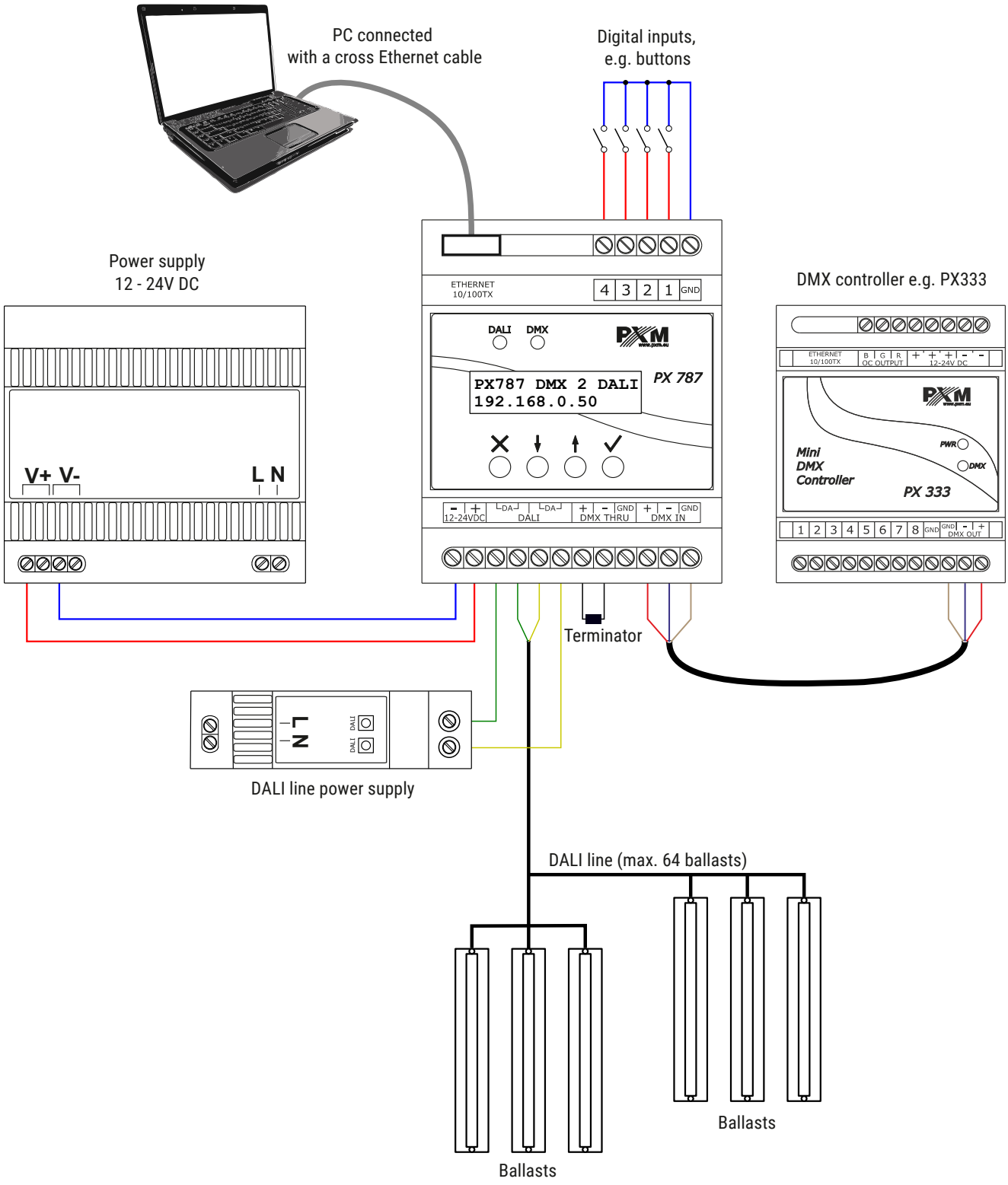
* - support for external keys is available from serial number 21030041

NOTE! From the serial number 22020242 the system of power and DMX signal connectors has been changed.

Technical drawing



Connection diagram



Technical data

type	PX787
power supply	12 – 24V DC
power consumption	max. 1W
DMX input	1
DALI ports	1
Ethernet ports	1
digital inputs*	4
DMX channels	512
supported ballasts	DT0 – DT8**
control characteristics	DALI / linear
DALI line test	from the LCD
settings change protection (LCD / Web Server)	yes – PIN (6 digits)
support for RDM protocol	yes
APIPA support	yes
number of supported DALI devices	64
programming	LCD display 2 x 16 and 4 buttons Web Server
version of the DALI protocol	1.0
weight	0.15kg
dimensions	width: 70mm (4 DIN rail modules) height: 86mm depth: 60mm

* - available from serial number 21030041
** - DT8 only colour temperature