

PX846

Keyboard 8

User manual



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Manufacturer reserves the right to make modifications in order to improve device operation.

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




































Rev.1-0
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1 Description

PX846 is a dedicated keypad for cooperation with the controllers PX710 / PX710+ and PX340 / PX340+.

Keyboard 8 expands the system with 8 digital inputs in the form of buttons. The device connects to PX340 / PX710 controllers using a connector, which is the Keyboard Hub PX725. In PX710+ and PX340+ controllers, the additional Keyboard Hub PX725 device is not required.

Each button can be burned with a symbol specified by the customer from the set below:

Default	Optional (for an additional fee)				
1 	S01 	S10 	S20 	S30 	S40 
2 	S02 	S11 	S21 	S31 	S41 
3 	S03 	S12 	S22 	S32 	S42 
4 	S04 		S23 	S33 	S43 
5 	S05 			S34 	S44 
6 	S06 			S35 	S45 
7 				S36 	S46 
8 				S37 	S47 

Each button of PX846 has a LED indicator with adjustable brightness. Its state is controlled by the controller, and the configuration is carried out with the use of the program PxDesigner (available for free download on producer's website). Moreover, pressing the button can be signaled with the short acoustic signal.

It is possible to connect 64 devices (max. 32 per one line) and they should be connected in series.

The PX846 is made of aluminum and the housing allows for easy mounting in a standard electrical box.

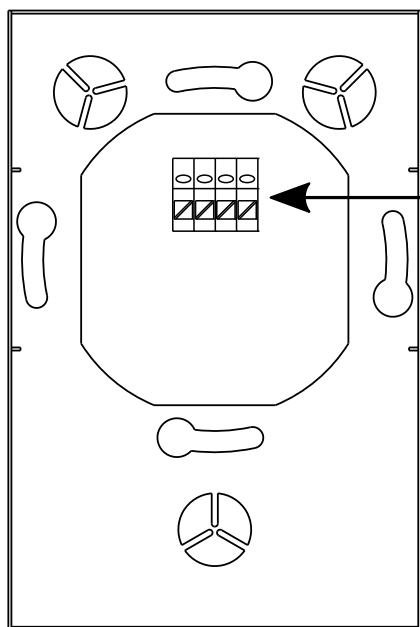
2 Safety conditions

PX846 is a device powered with safe voltage 12 – 24V DC, however, during its installation and use the following rules must be strictly observed:

1. The device can be connected to 12 – 24V DC with current-carrying capacity compatible with technical data.
2. All the conductors should be protected against mechanical and thermal damage.
3. In case of damage to a conductor, it should be replaced with a conductor of the same technical parameters.
4. Connection of DMX signal can be made with a shielded conductor only.
5. All repairs, connecting and disconnecting of cables can only be made with cut off power supply.

6. The device should be strictly protected against contact with water and other liquids.
7. All sudden shocks, particularly dropping, should be avoided.
8. The device cannot be turned on in places with humidity exceeding 90%.
9. The device cannot be used in places with temperature lower than +2°C or higher than +40°C.
10. Clean with damp cloth only.

3 Connectors and control elements



connector for communication
with PX725 / PX340+ / PX710+

4 Device operation

Owing to the keypad PX846, can be expand the operation of the system by eight additional digital inputs which are programmed with use of the PxDesigner application.

Each button generates two events in the controller: from turning on and from turning off. The button can also be defined as “repetitive” – then pressing it longer will generate the event from turning on every defined interval of time.

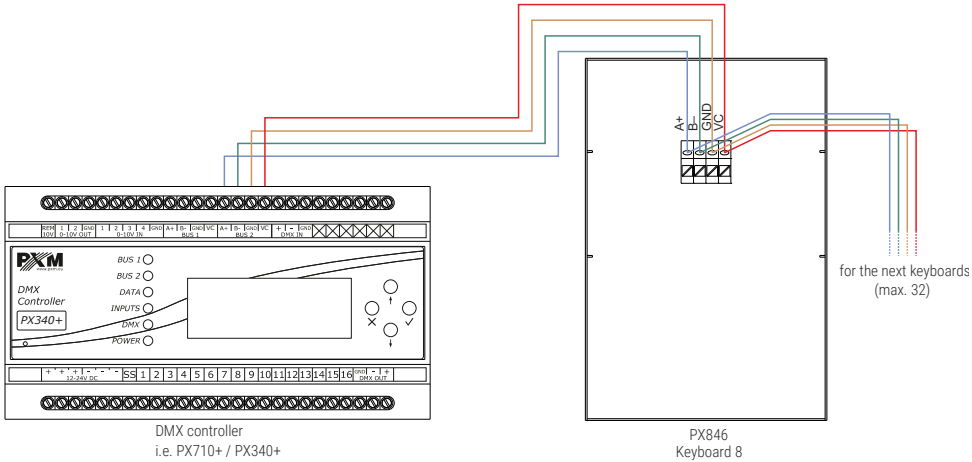
Pressing the button is signaled with the short acoustic signal. One of 3 levels of loudness can be set or the sound can be completely turned off.

The indicators of the keypad will flash once after turning power on.

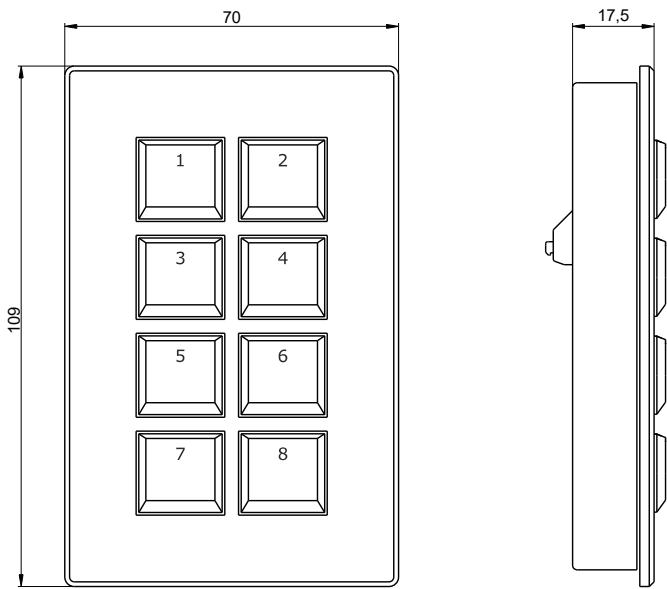
a) PX846 connection to the PX340 / PX710 controller



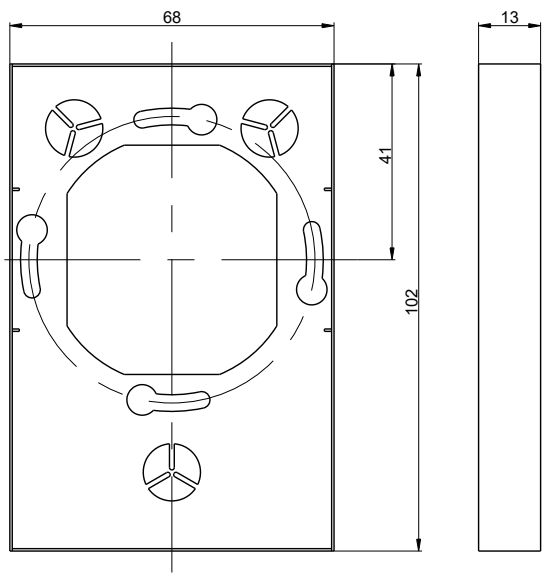
b) PX846 connection to the PX340+ / PX710+ controller



6 Dimensions



Mounting plate



7 Technical data

type	PX846
power supply	PX725 or PX710+ / PX340+
number of the buttons	8
button backlight	yes
cooperation with the controllers	PX710, PX340, PX710+, PX340+
method of communication with the controller	PX725 Keyboard Hub / directly from PX710+ or PX340+
maximum number of the devices	64 (max. 32 for one line)
method of programming	with the use of PxDesigner
plug connectors	solid wire: 0.2 – 1.5mm ² stranded wire: 0.2 – 1.5mm ² stranded wire with ferrule: 0.25 – 1mm ²
weight	0.2kg
dimensions	width: 70mm height: 109mm depth: 17.5mm

DECLARATION OF CONFORMITY

PXM Marek Żupnik spółka komandytowa
Podłęże 654, 32-003 Podłęże

we declare that our product:

Product name: Keyboard 8

Product code: PX846

meets the requirements of the following standards, as well as harmonised standards:

PN-EN IEC 63000:2019-01	EN IEC 63000:2018
PN-EN 61000-4-2:2011	EN 61000-4-2:2009
PN-EN IEC 61000-6-1:2019-03	EN IEC 61000-6-1:2019
PN-EN IEC 61000-6-3:2021-08	EN IEC 61000-6-3:2021

and meets the essential requirements of the following directives:

2011/65/UE **DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL** of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
Text with EEA relevance.

2014/30/UE **DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL** of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast)
Text with EEA relevance.


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