PX725

Keyboard Hub

User manual

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

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1 Description

PX725 Keyboard Hub is a device which connects the controller PX340 or PX710M with the additional input modules PX723 Keyboard 8 and PX734 Light & Movement Sensor. The connector has two independent buses, to which max. 32 input modules each can be controller in series (in total max. 64 modules).

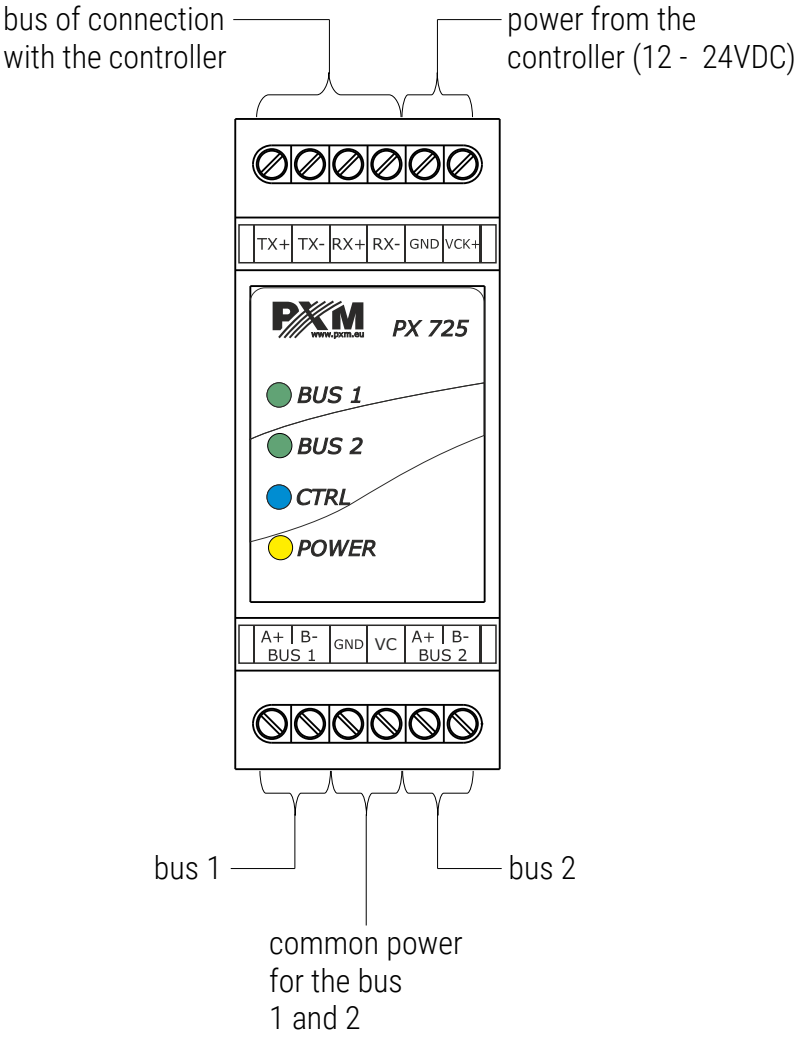
The configuration of additional devices is from the level of the PxDesigner application.

2 Safety conditions

PX725 Keyboard Hub is a device powered with safe voltage 12 – 24V DC (from controller), however, during its installation and use the following rules must be strictly observed:

1. The device can be connected to 12 – 24V DC (from controller) 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. Use a shielded cable to connected the control signal.
5. All repairs, connecting of cables can only be made with cut off power supply.
6. The PX725 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



4 Indication lights

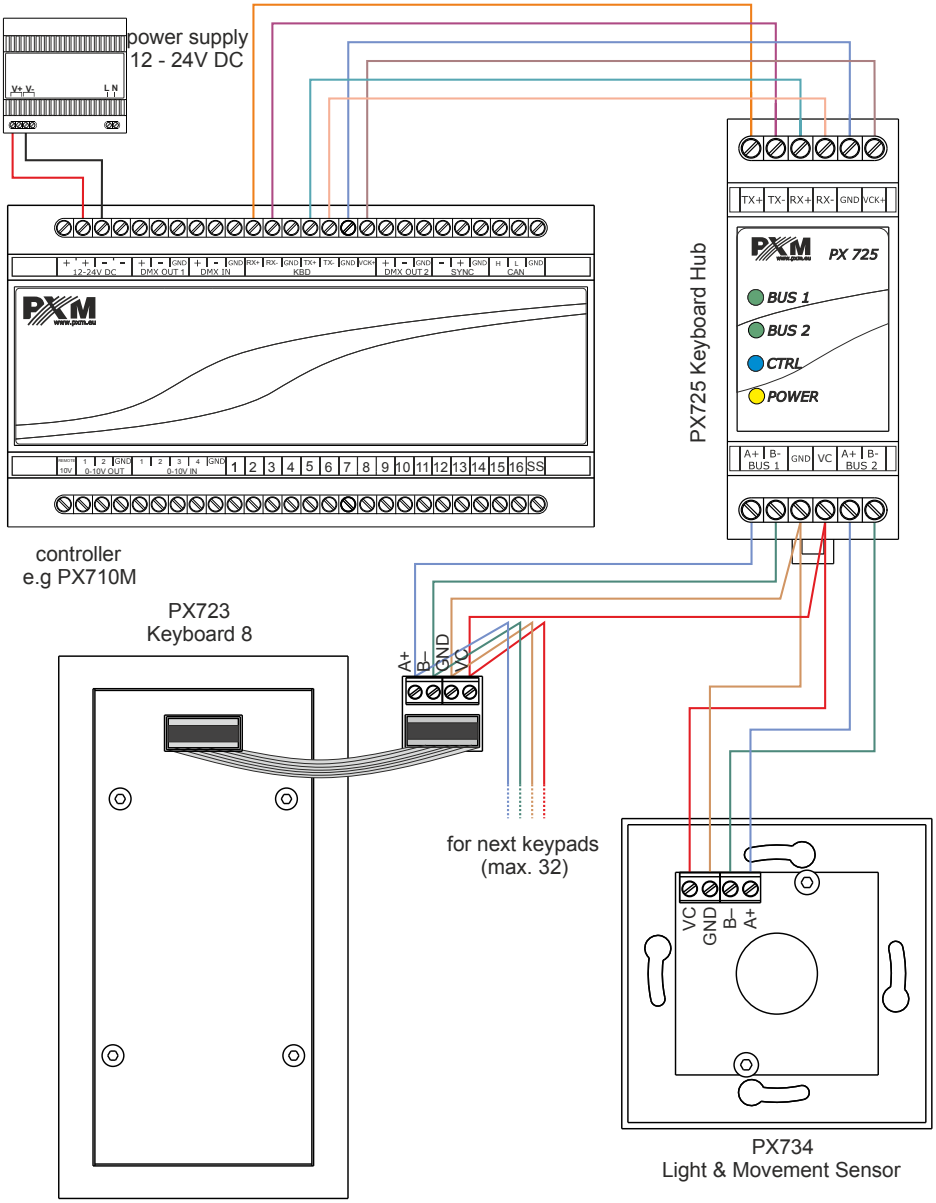
Hub is equipped with 4 indicators signaling:

Indicator	Action	Function
yellow **POWER**	permanent light	the device works correctly
blue **CTRL**	flash	communication established between the controller and PX725
	it does not light	no communication with the controller
green **BUS 1** **BUS 2**	they flash independently	PX725 emits and receives packages on the given line

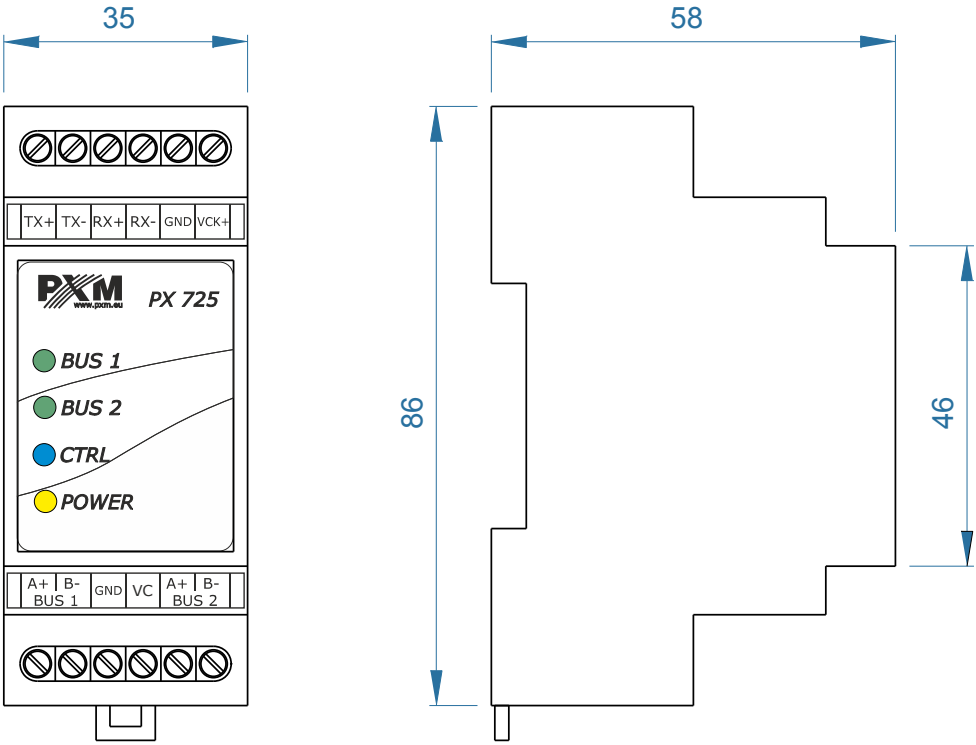
5 Work of the device

Hub PX725 is a device managing communication between the controller and ballasts. It realizes the procedure of finding ballasts and transfer commands from the controller to them as well as cyclically asks about their state. The ballast is a final device on the bus. It can be, for instance: the keypad (Px723), the slider, the light sensor (PX734), etc. The configuration of PX725 and the ballasts connected to it is operate with the use of the PxDesigner application. The description of the configuration method can be found in the PxDesigner program manual, the program installation file and the user manual are available on the manufacturer's website (pxm.pl).

6 Connection scheme



7 Dimensions



8 Technical data

type	PX725
power supply	from controller (12 – 24V DC)
maximum number of the devices	64 (max. 32 for one line PX725)
method of programming	with use the PxDesigner
cooperation with controller	PX340, PX710M
weight	0.15kg
dimensions	width: 35mm height: 86mm depth: 58mm

Podłęże, 07.04.2019

DECLARATION OF CONFORMITY

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

we declare that our product:

Product name: Keyboard Hub

Product code: PX725

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 61000-6-3:2008	EN 61000-6-3:2007

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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