

PX734

Light  
&  
movement sensor

MANUAL



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*The manufacturer reserves the right to change the operation and handling of the device in order to improve the product.*

# 1. GENERAL DESCRIPTION

## **The sensor of luminous intensity integrated in one module with the movement sensor**

PX734 can be connected as an additional input module cooperating with the controllers PX340 and PX710M (with the use of Keyboard Hub PX725). The device is operated through the controller as one analogue input and one digital input. The advanced logics of the controller enables the application of signals from the sensor to create complex configurations with numerous dependencies.

The sensor measures lighting intensity continuously. Light & movement has a maximum range of 12 meters and recognizes the area up to 1,000 m<sup>2</sup>.

The light sensor can work in three different ranges of brightness:

- to work in dark rooms,
- to work in bright rooms,
- to apply outside.

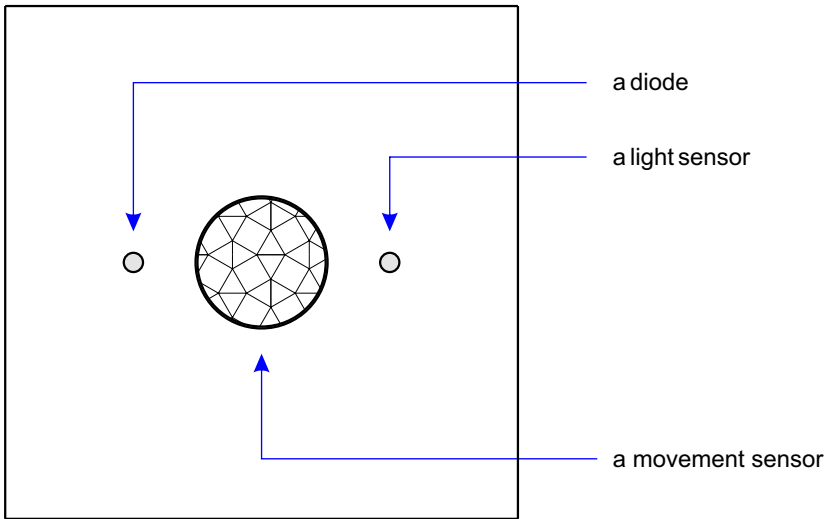
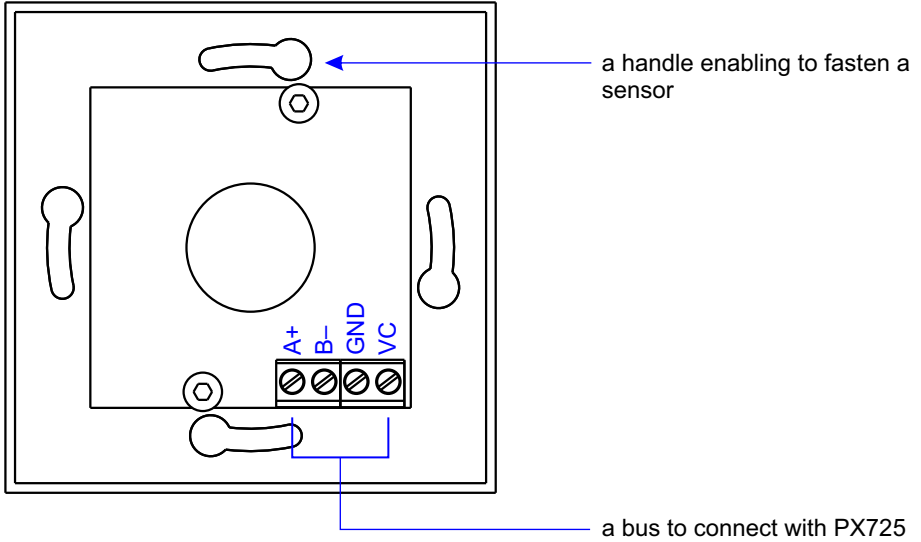
The housing of the device is adjusted to easy installation on the wall or under the ceiling.

# 2. SAFETY CONSIDERATIONS

PX734 is a device powered with safe voltage 12-24 V; however, during its installation and use the following rules must be strictly observed:

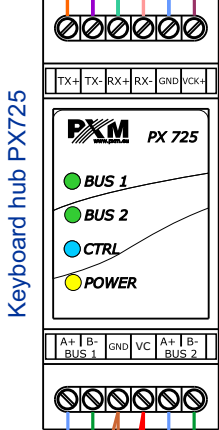
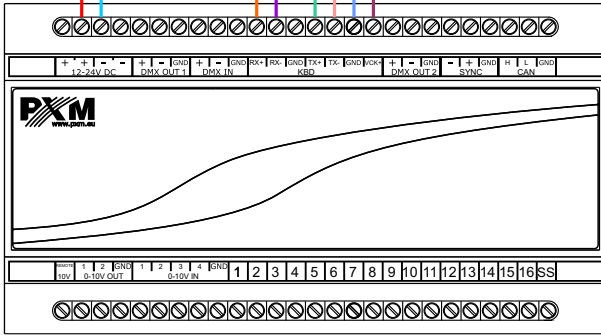
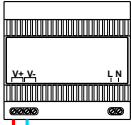
1. The device can be connected to 12-24 V DC (stabilised voltage) with current-carrying capacity compatible with technical data.
2. All the conductors should be protected against mechanical and thermal damage.
3. In case of damage to a conductor, it should be replaced with a conductor of the same technical parameters.
4. A shielded cable may exclusively be used to connect a steering signal.
5. Both any repairs and connection of wires may exclusively be made when power is OFF.
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. DESCRIPTION OF THE CONNECTORS AND THE NUMBERS OF BUTTONS



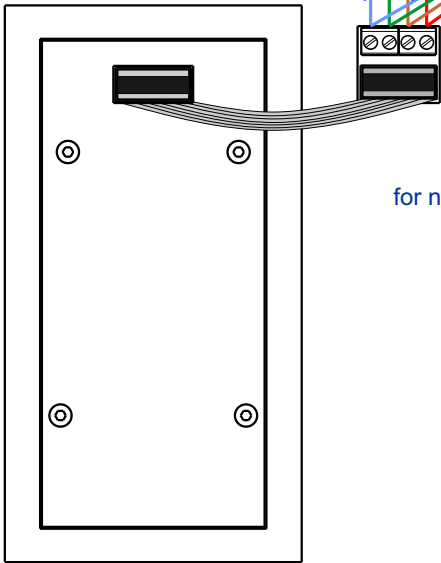
# 4. CONNECTION SCHEME

power supply  
12 - 24  
V DC

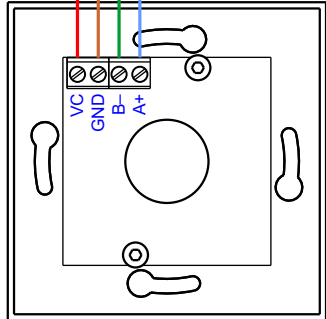


controller  
np. PX1710M

Keyboard 8 - PX723

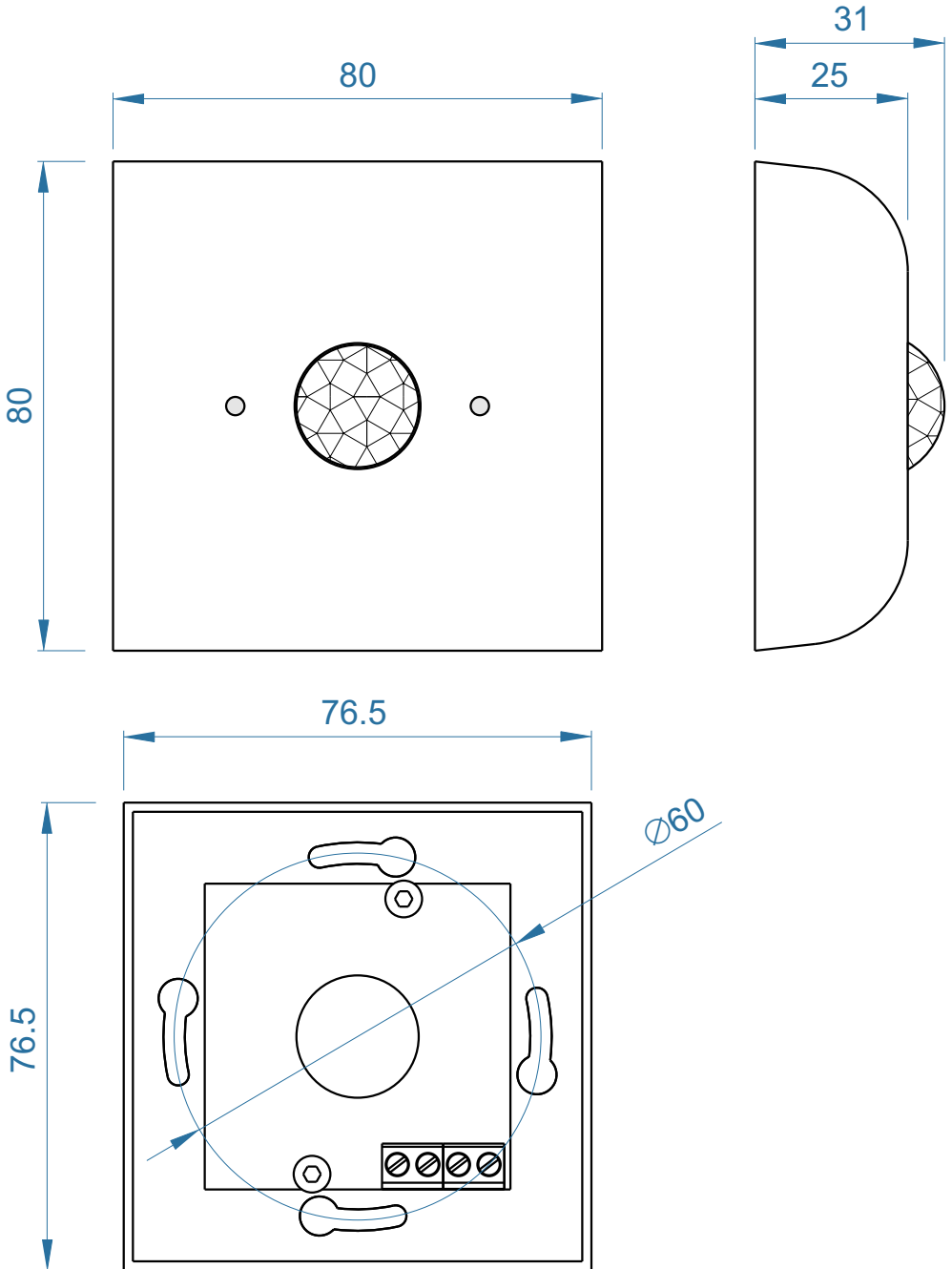


for next keypads



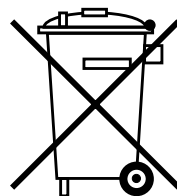
Light & movement sensor PX734

## 5. DIMENSIONS



## 6. TECHNICAL DATA

Power supply:	12 - 24 V DC
Detection angle:	102°
Vertical detection angle:	92°
Maximum range:	12 m
Waterproof class:	IP20
Maximum number of the devices:	64 (max. 32 for one line PX725)
Method of programming:	by means of PxDesignera
Cooperation with the controllers:	PX710M, PX340 by means of PX725
Indicators of the movement sensor:	1
Weight:	0,10 kg
Dimensions:	Width: 80 mm Height: 80 mm Depth: 31 mm





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## DECLARATION OF CONFORMITY

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

*declares under our sole responsibility that the product:*

Name of product: **Light & Movement sensor**  
Type: **PX 734**

*compiles with the following standards and harmonized standards:*

PN-EN 50581:2013-03,	EN 50581:2012
PN-EN 61000-4-2:2011,	EN 61000-4-2:2009
PN-EN 61000-6-1:2008,	EN 61000-6-1:2007
PN-EN 61000-6-3:2008,	EN 61000-6-3:2007

*and is in conformity with the provisions of the following EC 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.



**Marek Żupnik spółka komandytowa**  
**32-003 Podłęże, Podłęże 654**  
**NIP 677-002-54-53**

Podłęże, 06.03.2018

mgr inż. Marek Żupnik.