



62762-xxx-WL  
62762x-A62762x  
CP-MD-xxx

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**Comfort sensor 180 flex, select lens, wireless**

**DANGER**  
Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock, burns or even death. Work improperly carried out on current-carrying parts can cause fires.  
- Disconnect the mains voltage prior to mounting and dismantling!  
- Permit work on the 110 - 240 V mains network to be carried out only by specialist staff.

- Please read the mounting instructions carefully and keep them for future use.
- Additional user information and information about planning is available by scanning the QR code in this manual.

**Intended use**  
The movement detector serves for switching lighting systems in dependence of brightness and/or movement. It is designed only for interior areas of buildings.  
The device is pre-programmed. The function depends on the flex insert the device has been attached to.  
Mounting, among others, is practical on the following flex inserts:

The device is not suitable for use as an intrusion or attack alarm since it lacks the required security against sabotage in accordance with the German VDS (Authority on Safety and Security) regulations.  
= 1 LED dimmer inserts

**ATTENTION**  
The device contains highly sensitive sensors and lens systems.  
- Do not clean the device and the lens system with abrasive or aggressive cleaning agents.

**Declaration of conformity**  
Busch-Jaeger | ABB herewith declares, that radio system type 62762-xxx-WL conforms to directive 2014/53/EU. The complete text of the EU Declaration of Conformity is available in this manual under the QR code.

**Technical data**

Opening angle:	180°
Brightness limit value:	5 - 500 lux, daytime operation
Mounting height:	0.8 m - 1.2 m
Degree of protection	IP20
Temperature range	-5 °C to +45 °C
Storage temperature	-25 °C to +70 °C
Transmission protocol	<ul style="list-style-type: none"> <li>free@home wireless (IEEE 802.15.4)</li> <li>Bluetooth low energy</li> </ul>
Transmission frequency	2.400 to 2.483 GHz
Maximum transmission power	<ul style="list-style-type: none"> <li>WL (wireless) &lt; 15 dBm</li> <li>Bluetooth LE (BLE) &lt; 10 dBm</li> </ul>

**Modular system**  
**Notice**  
The movement detector sensors [5-6] can be freely combined with the flex inserts [1 - 4]. Although not all combinations may be practical with regard to the desired functions.

**Function**  
The function depends on the flex insert used. Depending on the flex insert used, the movement detector [5] operates in one of the following modes:

- Relay insert, 1gang or e-contact insert:
  - At movement it switches in dependence of the ambient brightness.
- LED dimmer insert:
  - At movement the light dims to the set value.
- Relay insert, 2gang:
  - At movement, channel 1 switches in dependence of the ambient brightness.

**Connection**  
Extension unit insert:  
See the connection of the respective flex insert.

**Mounting**  
Attach the movement detector together with the cover frame on the flex insert [1] / [2].  
Flex insert and cover frames are not included in the scope of delivery and must be purchased separately.

**Notice**  
The devices communicate via radio control. The range depends on the structural conditions.  
- Walls or ceilings, especially steel reinforcements or metal claddings, reduce the transmission range.  
- The distance of components to other transmitters that also emit high-frequency signals (e.g. computers, audio and video systems) should be at least 1 m.

**Detection range**  
The detection range is, among others, dependent on the ambient temperature. The specified values refer to an ambient temperature of 21°C. The detection range is reduced at higher ambient temperatures.  
[3] Mounting heights / Detection levels  
[4] Detection range  
[5] Horizontal reduction of the detection range by masking

Detection range		
Mounting height (H)	Lengthways toward the detector	Crosswise toward the detector
1.1 m	Max. 5 m	Max. 12 m

**Setting and operation**  
**Setting**  
The sensor is ready for operation directly after it is attached to the flex insert. The function depends on the flex insert used. A subsequent further parameter setting is carried out via the application depending on the operating mode.

Three different operating modes are available:

- [A] Push-button switch mode
  - Local manual operation on the device is always possible via touch rocker [8] / [9].
- [B] Bluetooth® via mobile device or tablet.
  - In this operating mode access is established to individual devices or to the entire mesh network via the "Busch-/ABB-free@home® App Next" app.
- [C] System Access Point
  - As soon as a System Access Point (from Firmware version 3.0 of the System Access Point) is available in the system, the devices are made operational via the user interface of the System Access Point.

A non-programmed device is made operational via the Busch-/ABB-free@home® App Next app with Bluetooth® or via the System Access Point.

- A login of a non-programmed device into the system is possible at all times via Bluetooth®.
- A login via the commissioning interface of the System Access Point is possible 30 minutes after being energized.
  - During this time the device is in programming mode.
  - Bluetooth® is deactivated after the device has been programmed via the System Access Point.

A device that has already been logged in must be reset to enable it to be set again into programming mode.

- Keep the bottom button pressed for 20 seconds.
  - No LED function for 10 seconds
  - The LED flashes slowly for 5 seconds
  - The LED flashes fast for 5 seconds
  - The LED goes out
- Then press the bottom button again briefly twice.

**Additional information**  
- Detailed information on commissioning and parameterization is available in the product manual.  
- The firmware update takes place via the Busch-/ABB-free@home® App Next app or the System Access Point.

**Service**  
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