Product Information

ABB i-bus® EIB / KNX
Room Controller

Intelligent Installation Systems
The Room Controller consists of a basis device, into which up to 8 selected modules can be plugged.

With an overall height of 50 mm, the device is ideally suited for installation in under floors or inserted ceilings.

The installation is simple:

- the end devices are connected to the modules.
- Mains voltage is applied (e.g. 230 V, 1, 2 or 3 phases)
- The system is tested using the built in controls
- the Room Controller is connected to the ABB i-bus® EIB / KNX

The Concept
One Room Controller per Room
Switching and dimming the lighting
All types of lamps can be dimmed, e.g. incandescent lamps, low voltage lamps or fluorescent lamps.

Constant lighting control
A light sensor measures the brightness in a room and regulates the lighting so that the proportion of artificial light is as low as possible.

Controlling heating valves and air-conditioning devices
The control of electrothermal heating valves or air-conditioning devices is possible. Individual room control can be implemented in connection with a room thermostat.

Controlling shutters and blinds
Electrically driven shutters and blinds can be operated conveniently. Automatic operation is also possible for controlling entire facades.

Connecting switches and push buttons
Conventional switches and push buttons can be connected to enable convenient in-room operation.
Binary Input Modules, 4-fold
The Binary Input Modules each have 4 inputs. There are 3 module types available for the connection of 230 V, 12/24 V or floating contacts.

Switch Actuator Module, 2-fold
The Switch Actuator Module with two high-capacity relays is designed for switching high amperages. The device is therefore also suitable for capacitive loads such as electronic ballasts. The maximum continuous current is 6 A.

Shutter Actuator Modules, 2-fold
The Shutter Actuator Modules control two independent blind or shutter drives. There are two module types available for the connection of 115/230 V AC or 24 V DC drives.

Switch/Dimming Actuator Module, 2-fold
The Switch/Dimming Actuator Module enables the switching and dimming of two groups of luminaires in connection with electronic ballasts via 1…10 V control voltage.

Light Control Module, 1-fold
The Light Control Module enables the switching and dimming of a group of luminaries via 1…10 V control voltage. In connection with a light sensor LF/U 1.1, the device can be used for constant light control.

Universal Dimming Actuator Module, 1-fold
The Universal Dimming Actuator Module dims incandescent lamps and 230 V or low voltage halogen lamps with up to 300 W / VA. Suitable for different types of loads (automatic load detection).

Electronic Switch Actuator Modules, 2-fold
The Electronic Switch Actuator Modules have 2 overload-proof, noise-free outputs. They control heating systems and cooling ceilings via electrothermal valve drives. There are two module types available for voltages of 115/230 V and 24 V.
It enables a fast and flexible electrical installation. Fast means: You save a great deal of time. Flexible means: You can add new functions without any problems and react to any change in plans.

It fits in existing systems: As an ABB i-bus® EIB / KNX device, communication with devices of different manufacturers is ensured. The integration in conventional installation connector systems is also possible. With an overall height of 50 mm, it is ideally suited to installation in under floors or inserted ceilings.

The modules are simply plugged in. Connect the voltage – and you can immediately check whether everything functions.

The range is complete – this means that you can control all the usual functions in the room. Savings are made in the amount of cabling due to the installation concept. The function is now in the room where it is needed.
<table>
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<tr>
<th>Type</th>
<th>Description</th>
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