

ABB i-bus® EIB / KNX Room Controller

Intelligent Installation Systems



The Concept

One Room Controller per Room

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

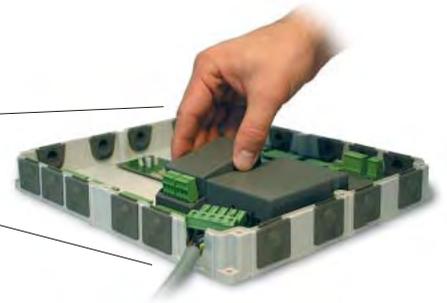
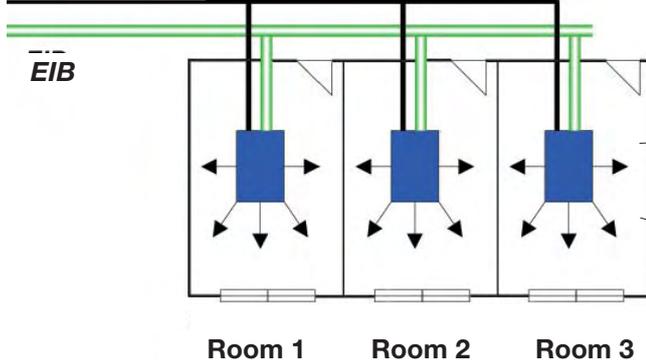
With an overall height of 50 mm, the device is ideally suited for installation in under floors or inserted ceilings.

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



Mains supply



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.





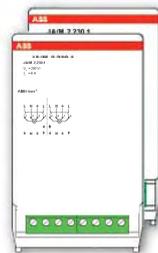
Binary Input Modules, 4-fold

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.



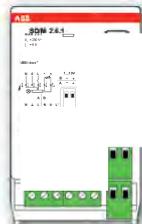
Switch Actuator Module, 2-fold

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.



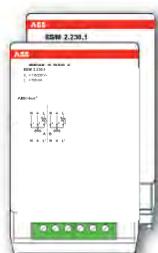
Light Control Module, 1-fold

The Light Control Module enables the switching and dimming of a group of luminaires 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.

The Room Controller is...

...fast and flexible



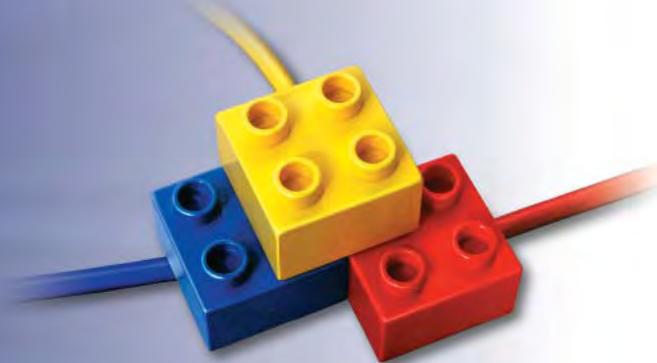
It enables a fast and flexible electrical installation.
Fast means: You save a great deal of time.
Flexible means: You can add new functions without any problems and react to any change in plans.

...universally adaptable



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.

...extremely simple



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

...a rounded concept



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.

Room Controller

Ordering Information

Selection Table for the Room Controller and Modules



Type	Description	MB *	Order Code	bbn 40 16779 EAN
RC/A 8.1	Room Controller, Basis Device for 8 Modules		2CDG 110 001 R0011	582131
BE/M 4.230.1	Binary Input Module, 4-fold, 230 V		2CDG 110 005 R0011	583114
BE/M 4.24.1	Binary Input Module, 4-fold, 12/24 V		2CDG 110 006 R0011	583121
BE/M 4.12.1	Binary Input Module, 4-fold, Contact Scanning		2CDG 110 007 R0011	583138
SA/M 2.6.1	Switch Actuator Module, 2-fold, 6 A		2CDG 110 002 R0011	583145
JA/M 2.230.1	Shutter Actuator Module, 2-fold, 230 V AC		2CDG 110 003 R0011	583152
JA/M 2.24.1	Shutter Actuator Module, 2-fold, 24 V DC		2CDG 110 004 R0011	583169
SD/M 2.6.1	Switch/Dim Actuator Module, 2-fold, 6 A		2CDG 110 010 R0011	583565
LR/M 1.6.1	Light Controller Module, 1-fold, 6 A		2CDG 110 011 R0011	583572
UD/M 1.300.1	Universal Dim Actuator Module, 1-fold, 300 VA		2CDG 110 012 R0011	583602
ES/M 2.230.1	Electronic Switch Actuator Module, 2-fold, 230 V		2CDG 110 013 R0011	583619
ES/M 2.24.1	Electronic Switch Actuator Module, 2-fold, 24 V		2CDG 110 014 R0011	583626



The information in this leaflet is subject to change without further notice.

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Your EIB-Partner