



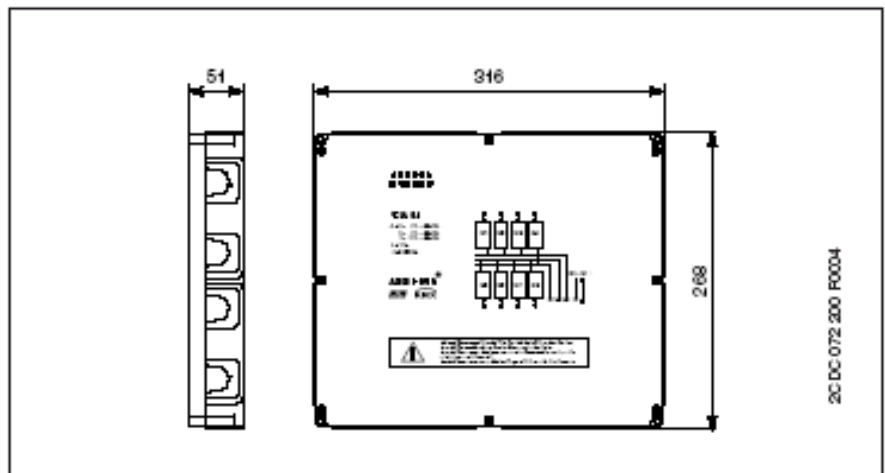
The Room-Controller Basis Device RC/A 8.1 accepts up to 8 plug-in modules. It controls their function and communicates via ABB i-bus® EIB / KNX. Any module type can be fitted in each slot. The module inserted is detected automatically and connected to the input voltage and the power supply.

The manual operation facility enables the module function and the wiring to be checked immediately after connecting the voltage to the supply – even in the unprogrammed state.

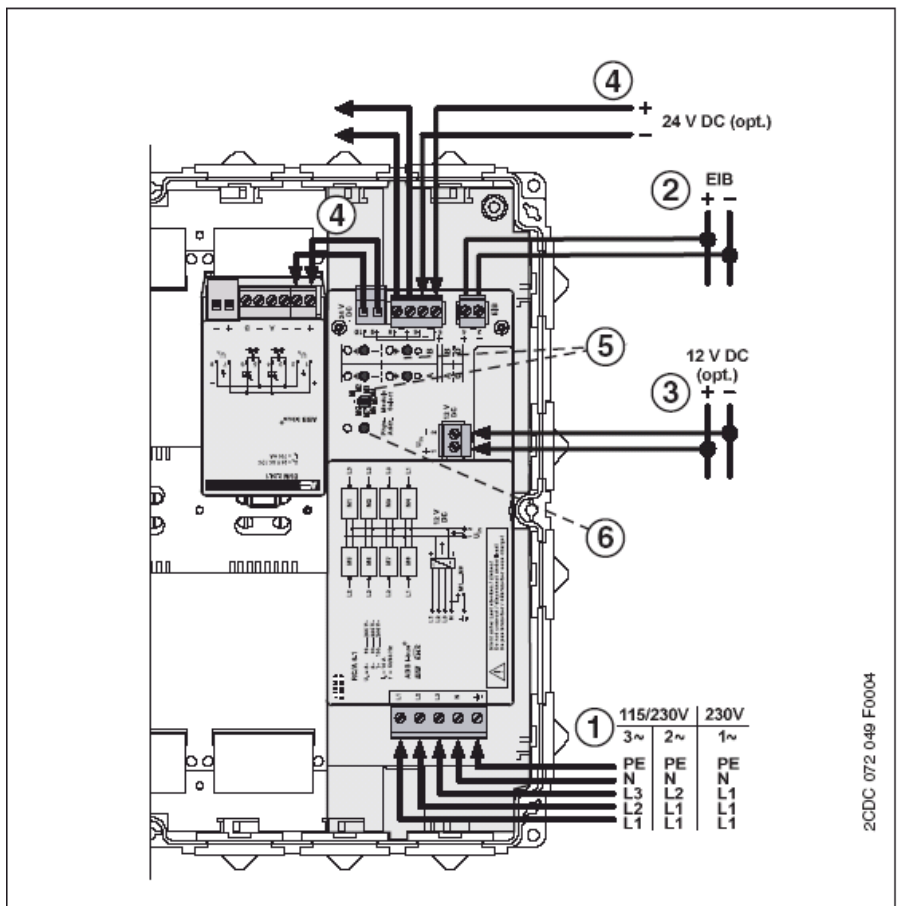
Technical Data

Supply voltage / mains supply	– For 3-phase connection	90...264 V AC, 50/60 Hz
	– For 2-phase connection	90...264 V AC, 50/60 Hz
	– For 1-phase connection	190...264 V AC, 50/60 Hz
	– Additional incoming supply	24 V DC, for wiring the direct supply to the 24 V DC modules
	– Optional auxiliary supply	10...28 V DC, as a backup supply or for mains-independent operation
	– Internal power consumption	max. 4 W (without modules)
Bus connection	– ABB i-bus® EIB / KNX	
	– Bus power consumption	< 10 mA
Module slots	– Number	8 (M1...M8) for locating module types as required
Operating and display elements	– Red LED and push button	For assigning the physical address
	– 4 yellow LEDs and push buttons	For status display and manual operation of the module function
	– 1 rotary selector switch	For selecting the module slot to be operated
Connections	– Supply voltage / mains supply	5-pole screw terminal with plug-in connection
	– EIB / KNX Bus	2-pole screw terminal with plug-in connection
	– Additional incoming supply	1x4-pole screw terminal with plug-in connection
	– Optional auxiliary supply	2-pole screw terminal with plug-in connection
	– Wire ranges	Supply voltage / Incoming supply: 0.5...4.0 mm ² Remainder: 0.2...2.5 mm ² finely stranded 0.2...4.0 mm ² single-core
Type of protection	– IP 54	In accordance with EN 60529
Ambient temperature range	– Operation	- 5 °C ... 45 °C
	– Storage	-25 °C ... 55 °C
	– Transport	-25 °C ... 70 °C
Environmental conditions	– Max. humidity	93 %, no moisture condensation permitted
	– Operation only in enclosed rooms	
Design	– Type of installation	Surface-mounted device, screw fixing
	– Housing, colour	Plastic housing, grey, halogen-free
	– Housing dimensions (HxWxD)	270 x 316 x 50 mm
	– Weight	1.4 kg
Certification	– EIB- and KNX-certified	
CE norm	– in accordance with the EMC guideline and low voltage guideline	

Maßbild



Anschlussbild



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|---|------------------------------------|
| 1 Incoming supply and power supply (115/230 V AC) | 4 Additional incoming supply |
| 2 Connection of ABB i-bus® EIB / KNX | 5 Manual operation and LED display |
| 3 Optional auxiliary supply | 6 Programming button and LED |

Note

The programming is carried out with ETS from version ETS2 V1.2a or higher.

For programming the device with the help of the ETS3, the relevant VD3 file must be applied.

Detailed information about the installation, programming and application can be found in the product manual for the Room Controller RC/A 8.1.
This manual can be downloaded under www.abb.de/eib