BOHR
ELECTRIC

Building Technologies
Integrated Controllers
RCU & RAC Catalogue 2017

27 C

Room Control Unit (RCU)

Introduction

We believe in power with simplicity, in order to make the design more simple we made a product which has all the features wrapped up in one box.

A room controller unit (RCU) is a single integrated controller which includes the following features :

- Switching - 1 Bit

- Dimming - 4 Bit, 1 Byte

- Curtain/Shutter motor control

- Leading Edge Mosfet based dimming, dedicatedly made for controlling induction motor for ceiling fan

- Supports both wired and wireless communication

HVAC
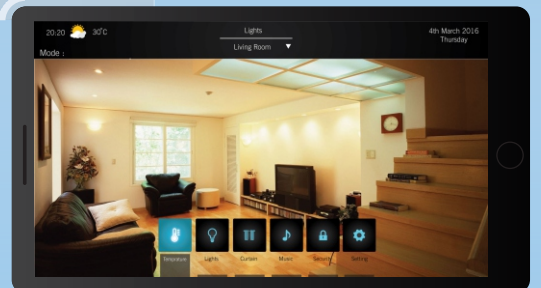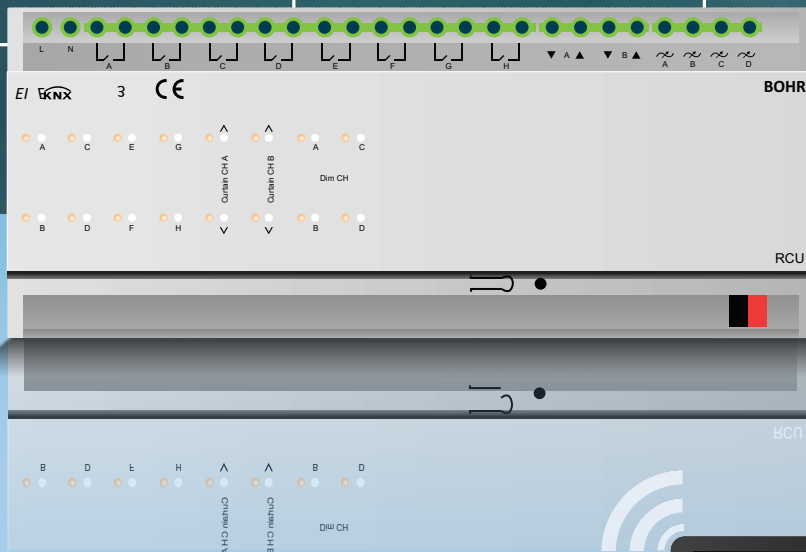
TV

Home Theater

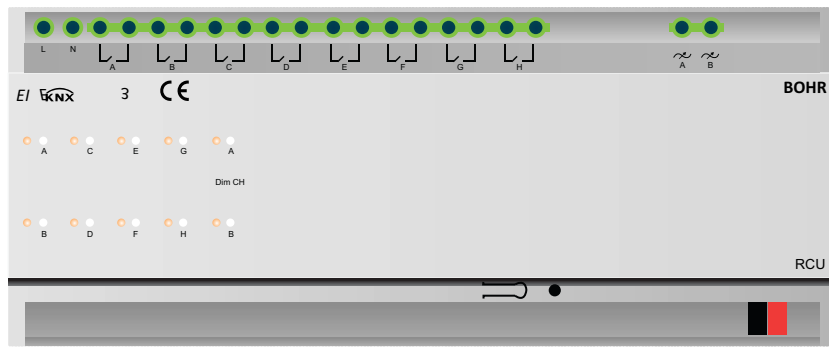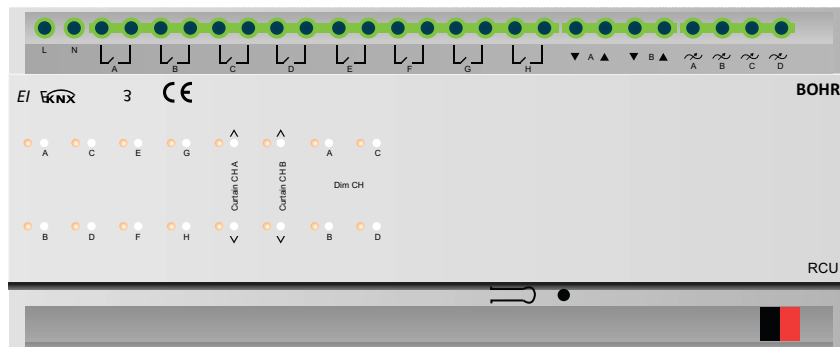Multi Zone Music

Light On-Off/
Dimming

Fan On-Off/
Dimming

Curtains

IR Emitter

EI KNX   3   CE   BOHR

A   C   E   G   A   C

B   D   F   H   B   D

Curtain CH A   Curtain CH B   Dim CH

RCU

RCU 3001

Features

- 6 Channel - Switching control

- 1 Channel - Curtain controller
  (Can be configured to 2 channel
  Switching control)

- 1 Channel - Forward phase mosfet
  based fan controller

- 1 Channel - Universal light dimmer
  (R L C load)

- Works on both wired and wireless
  communication

RCU 4001

Features

- 8 Channel - Switching control

- 2 Channel - Curtain controller
  (Can be configured to 4 channel
  Switching control)

- 2 Channel - Fan controller

- 2 Channel - Universal light dimmer
  (R L C load)

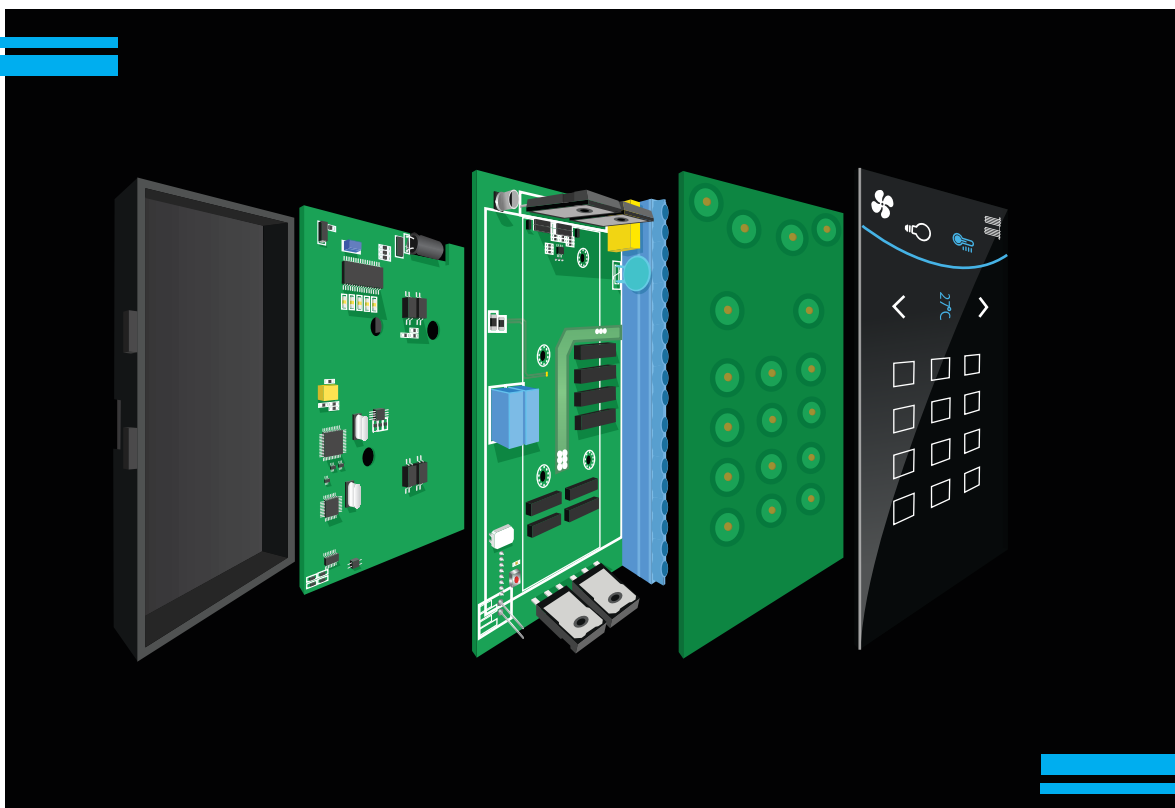- Works on both wired and wireless
  communication

Room Automation Controller (RAC)

Introduction

With powerful features & industries most simple wiring network RAC is the perfect choice of automating a single room or an area.
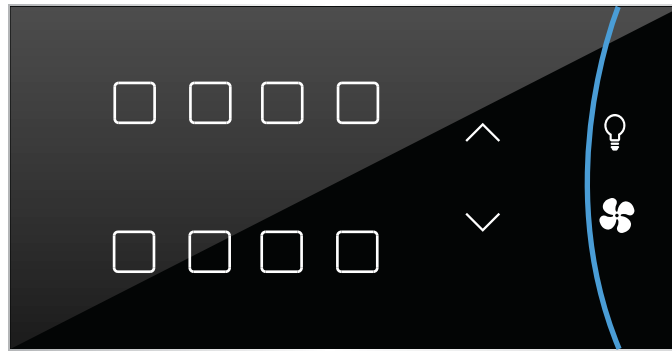
RAC Provides seamless features and it is installed on industries simplest wiring standards. Available on both wires & wireless communication. It can be installed in both new installation as well as retrofitting the existing installation. Flexible to integrate with other system modules like IR Emitter, Motion sensor etc. Apart than the mobile phone APP wireless remote with OLED display is also available for the ease

- 8 Channels for switching controller up to 16 AMPS
- 2 Channels curtains controller
- 2 Channels for Universal light dimming
- 2 Channels for fan controller
- Available in both wires & wireless communication
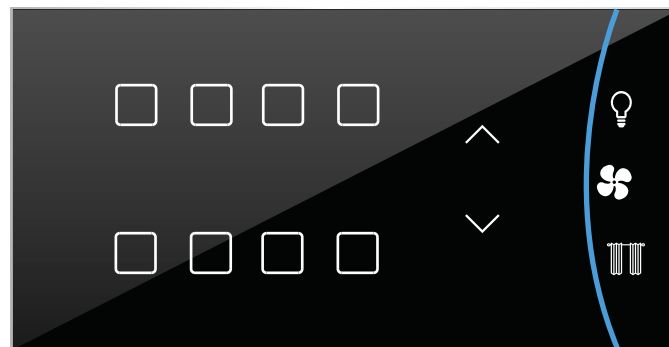- In built room temperature sensor

Overview

HVAC

TV

Home Theater

Multi Zone Music

Light On-Off/
Dimming

Fan On-Off/
Dimming

Curtains

IR Emitter

27 C

RAC 1.0B

Features

- 8 Channel - Switching control

- 2 Channel - Universal dimmer
  (R L C load)

- Touch interface - glass finish

- Bluetooth communication for
  mobile application control

- Pre-configured with all the features
  (No programming needed)

RAC 1.1B

Features

- 8 Channel - Switching control

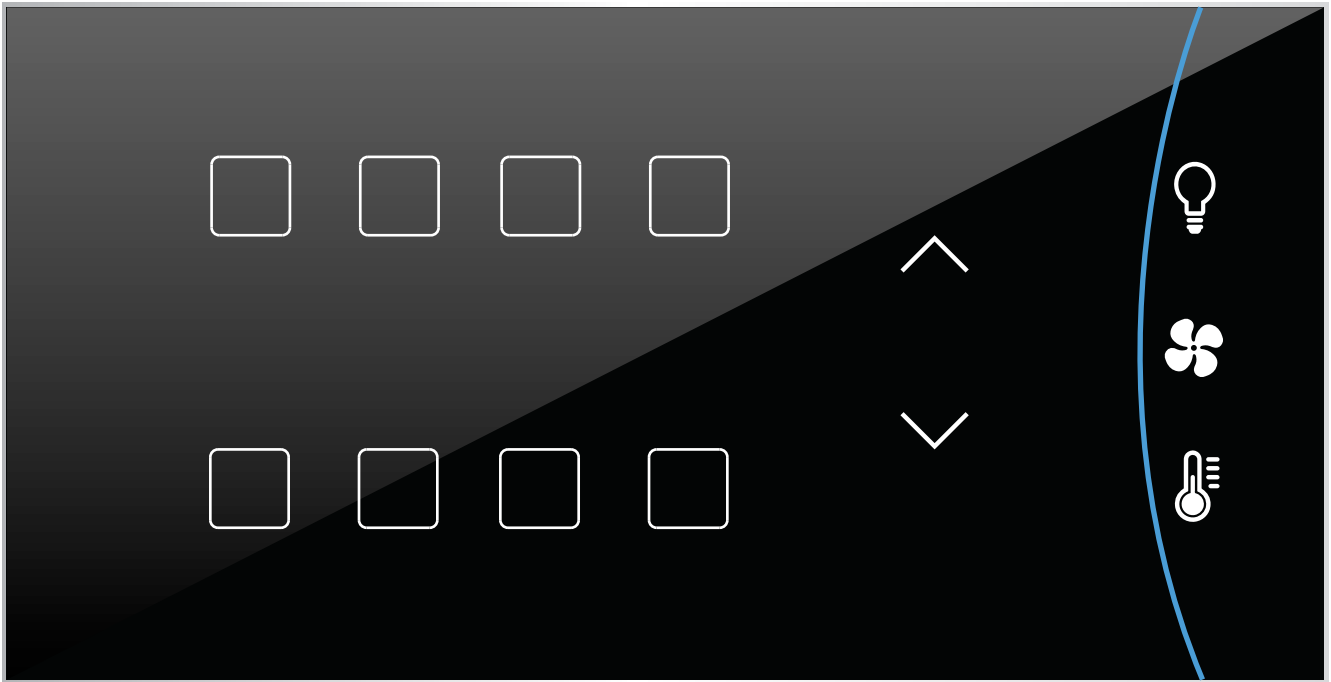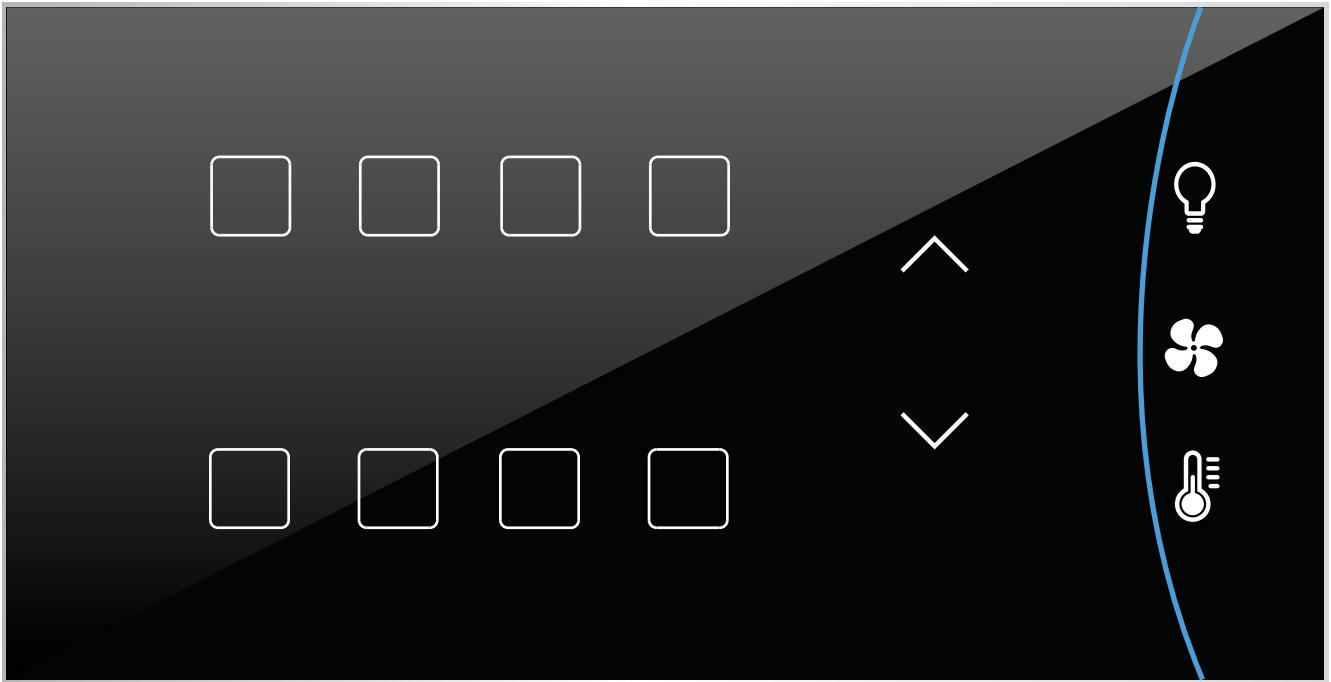- 2 Channel - Curtain controller
  (Can be configured to 4 channel
  Switching control)

- 2 channel - Universal dimmer
  (R L C load)

- Touch interface - Glass finish

- Bluetooth communication for
  mobile application control

- Pre-configured with all the features
  (No programming needed)

RAC 1.0Z

Features
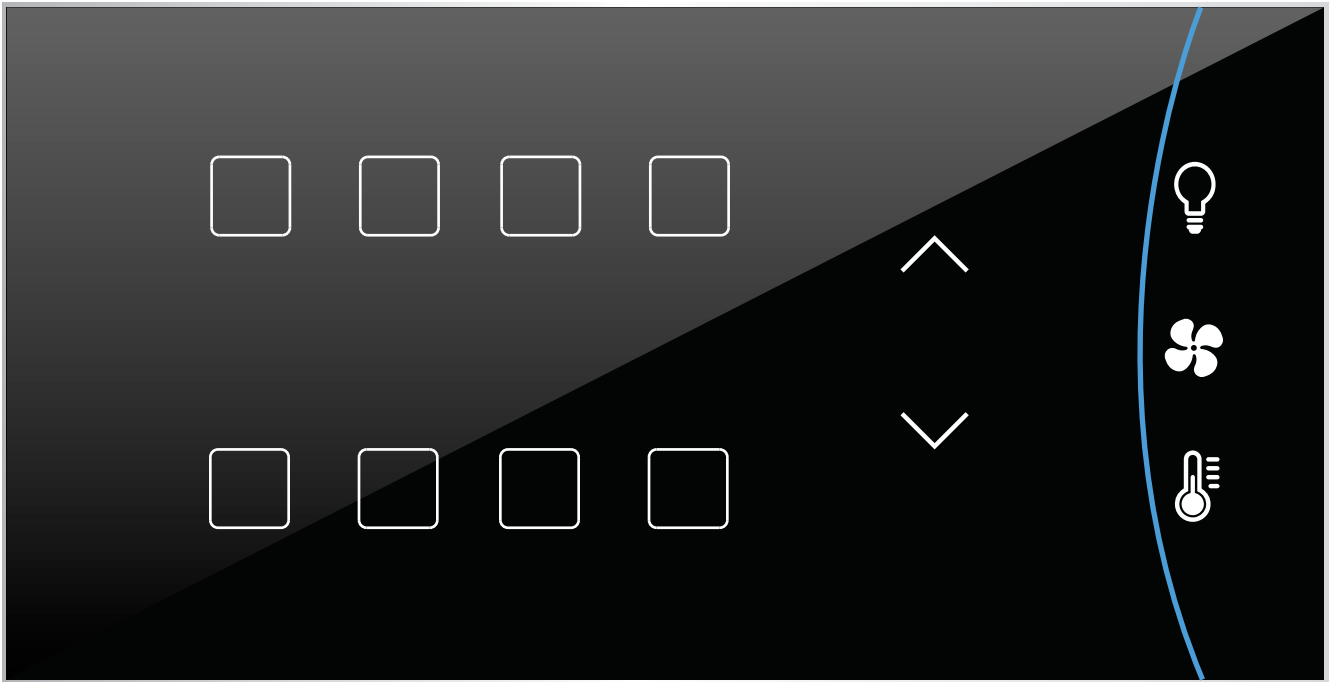
- 8 Channel - Switching control

- 2 Channel - Universal dimmer
  (R L C load)

- Touch interface - Glass finish

- Communication - ZigBee
  (Worldwide standard wireless
  protocol home automation &
  building technologies)

- Room temperature measurement
  display & thermostat option

- Touch remote - Optional

- Compatible with 4 button, 8
  button FTS series for multiple
  control

RAC 1.1Z

Features

- 8 Channel - Switching control

- 2 Channel - Universal dimmer
  (R L C load)

- 2 Channel - Curtain controller
  (Can be configured to 4 channel
  Switching control)

- Touch interface - Glass finish

- ZigBee (Worldwide standard wireless
  protocol home automation & building
  technologies)

- Room temperature measurement
  display & thermostat option

- Compatible with 4 button, 8
  button FTS series for multiple
  control

- IR emitter to control devices
  which works on IR such as
  TV, AC etc - optional

- Touch remote - optional

RAC 2.0Z

Features

- 8 Channel - Switching control

- 2 Channel - Universal dimmer (R L C load)

- 2 Channel - Curtain controller (Can be configured to 4 channel Switching control)

- Touch interface - Glass finish

- ZigBee (Worldwide standard wireless protocol home automation & building technologies)

- Room temperature measurement display & thermostat option

- Compatible with 4 button, 8 button FTS series for multiple control

- IR emitter to control devices which works on IR such as TV, AC etc - optional

- Touch remote - optional

- Media center

Part Number Selection

P CH - 8S 2U IA 2C 1F - Z

1 2 3 4 5 6 7 8

Digit Discription

1 - Power device

2 - Mount type
   CH - Channel mount type
   FB - Flushed box

3 - Switching channels (Max 16 Amps)
   8S - 8 Channels
   6S - 6 Channels
   4S - 4 Channels
   2S - 2 Channels

4 - Universal dimming channels (R L C Load)
   8U - 8 Channels
   6U - 6 Channels
   4U - 4 Channels
   2U - 2 Channels

5 - Analog dimming channels
   4A - 4 Channels
   3A - 3 Channels
   2A - 2 Channels
   1A - 1 Channels

6 - Curtain control channels
   4C - 4 Channels
   3C - 3 Channels
   2C - 2 Channels
   1C - 1 Channels

7 - Fan control channels
   2F - 2 Channels
   1F - 1 Channels

8 - Communication Bus
   K - KNX
   Z - ZigBee
   B - Bluetooth

NOTE : For technical manual and further information please E-mail us at : info@bohrelectric.com

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