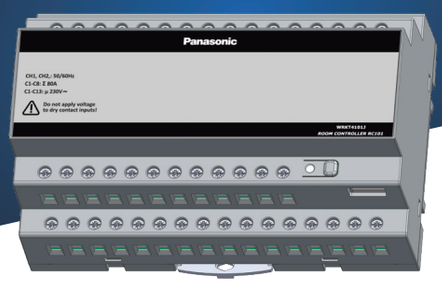
Panasonic

Building Automation Systems

Room Controller

WRKT4100J5NC Room Controller RC100
WRKT4101J5NC Room Controller RC101



GENERAL INFORMATION

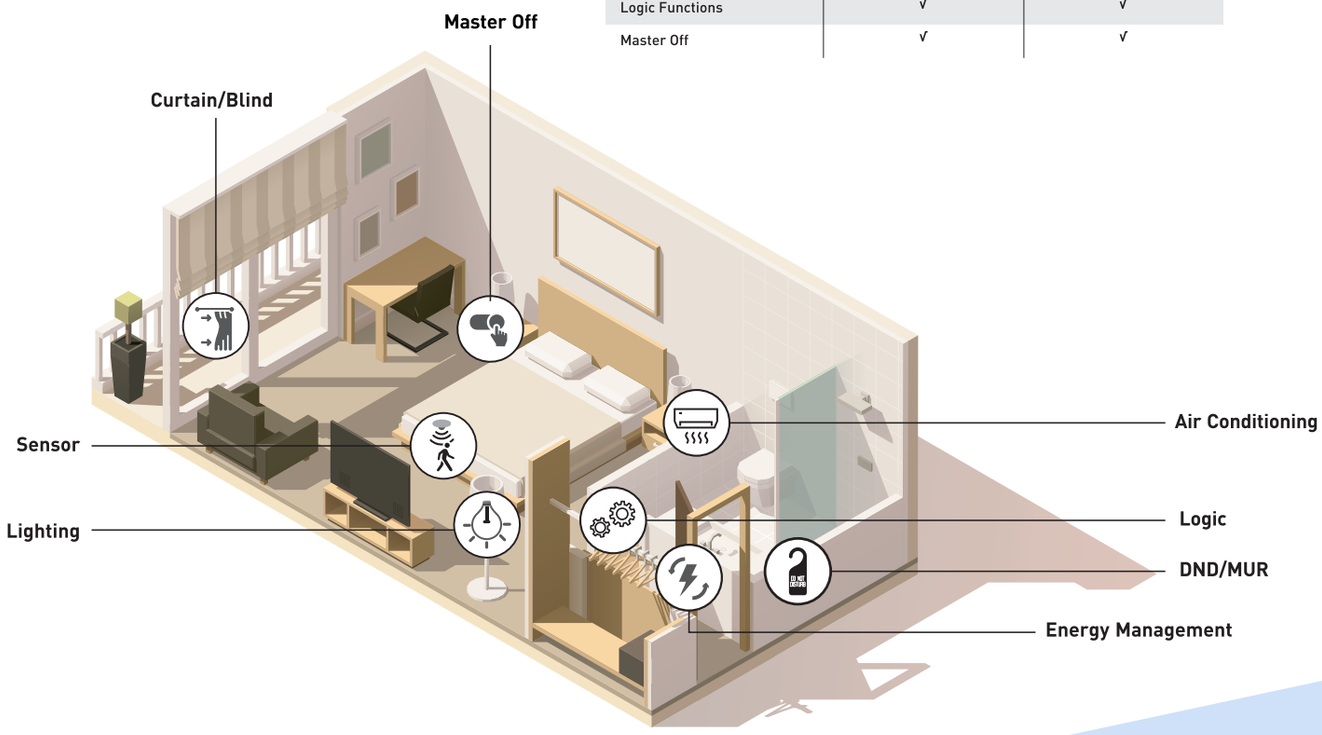
Panasonic Room Controller is an input and output device designed to fulfil the automation requirements of a typical hotel room. The entire configuration of the hotel room can be easily done with the accompanying PC application (Room Controller Configurator), and this configuration can be uploaded to Panasonic Room Controller via a USB memory stick. USB interface also allows firmware updates. Printable configuration instructions document is generated by the PC application for the ease of installation. Panasonic Room Controller has outputs that supports 2A-16A and 25A loads for the control of the various devices and lighting. It has 13 dry contact inputs, 2 wide range voltage inputs (AC/DC), 1 motion/presence sensor input, 1 card holder input, 5V supply output for sensors and card holder, 1 DND/MUR interface, 2 air conditioning interface. It mounts on din-rail.

MAIN FEATURES

- Energy Saving
- Switching – Lighting
- Shutter/Blind Control (AC)
- Digital I/O
- Wide Range Voltage Inputs (10-230V)
- Air Conditioner Control
- DND/MUR
- Logic Functions
- Master Off
- USB Configuration/Programming

PRODUCT VERSIONS

Product Features	Room Controller RC100	Room Controller RC101
Energy Saving	√	√
Switching – Lighting	√	√
Shutter/Blind AC	-	√
Digital I/O	√	√
High Range Voltage Inputs	-	√
Air Conditioner Control	√	√
DND/MUR	√	√
Logic Functions	√	√
Master Off	√	√



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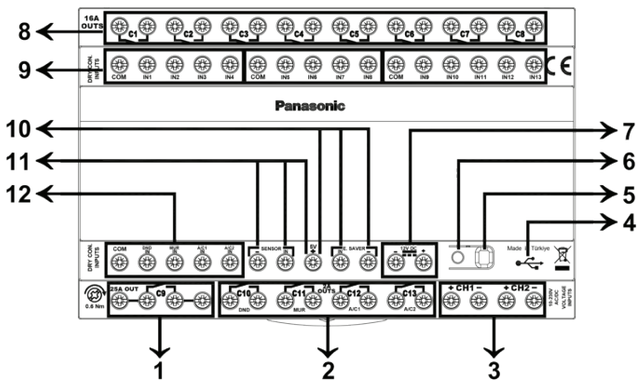

PRODUCT COMPONENTS

1. 25-A Output
2. 2-A Outputs (DND, MUR, A/C)
3. Wide Range Voltage Inputs
4. USB Port
5. Program Button
6. Status LED
7. 12V DC Input
8. 16A Outputs
9. Dry Contact Inputs
10. Energy Saver Connections
11. Sensor Connections
12. DND MUR, A/C Inputs

TECHNICAL DATA

Power	
Operating voltage	12V DC (±%5)
Current consumption	<3VA (RC100) <6VA (RC101)
Environmental conditions	
Ambient temperature	-5 C ...+45 C
Storage temperature	-10 C ... +55 C
Transportation temperature	-25 °C ... +70 °C
Ambient humidity	5...93% (non-condensing)
Housing	
Dimensions (HxWxD)	90mmx143.8mmx69.8mm
Mounting (IEC60715)	35 mm top-hat rail (TH35)
Mounting width	DIN rail 144mm (8 modules)
Connection type	Screw terminal Single wire: 1,5mm²...4mm² or 2x1,5mm²...2x2,5mm² Stranded wire without ferrule: 0,75mm²...4mm² Stranded wire without ferrule: 0,5mm²...2,5mm²
USB PORT	USB type A female connector
Weight	0.37 kg (RC100) 0.55 kg (RC101)
Input & Output	
HV Input	2ch isolated 10-230V AC/DC Inputs (RC101)
Dry Contact Input	8ch dry contact inputs (RC100) (2 general + 4 dedicated + 1 PIR sensor + 1 Energy Saver) 19ch dry contact inputs (RC101) (13 general + 4 dedicated + 1 PIRsensor + 1 EnergySaver)
Energy Saver and PIR Sensor Power Output	5VDC 100mA, for supplying energy saver unit (PEWTR devices) and PIR Sensor both.
Relay Outputs Normally Open, Potential free, µ –contacts, Monostable	4x 2A 230 V AC 50/60 Hz, 2A (PF=1) C10, C11, C12, C13 (RC100 / RC101) 1x 16A 230 V AC 50/60 Hz, 16A (PF=1), max. inrush 80A/20ms C1 (RC100) 8x 16A 230 V AC 50/60 Hz, 16A (PF=1), max. inrush 80A/20ms C1, C2, C3, C4, C5, C6, C7, C8 (RC101) 1x 25A 230 V AC 50/60 Hz, 25A (PF=1) C9 (RC100 / RC101)
Physcal Interface	
USB 2.0 port	1 USB type A female. (for Updating firmware and device configuration.)
Electrical safety	
Protection type (IEC60529)	IP 20
Pollution degree (IEC60664)	2
Protection class (IEC61140)	II
Overvoltage category (IEC60664)	III
Standards	
EMC/LVD	EN 60669-2-1

DIMENSIONS