



**RMG AUTOMATION**

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# **Wireless 6 Channel IR Remote Control Relay module for any AC appliances**

**Model : WRCS-042-RT**



## **User Manual**



## 1. INTRODUCTION

RMG automation introduces a 6Way IR Wireless Remote Switch with much higher affordability and simplicity that can control appliances such as light and fan at your home. This device yields convenience, energy efficiency and safety. This product constitutes Electromagnetic relay 4 channel outputs that can be connected to lights upto 1000 Watts and Triac based 2 channel outputs that can be connected to fans upto 150 Watts.

## 2. DESCRIPTION

### a. 6 Channel IR Wireless Remote Switch

- **Power ON LED:** shows ON/OFF status of Remote switch.
- **SIGNAL LED:** glow when IR Remote buttons are pressed.
- **OUTPUTS(1,2,3,4,5,6):** AC 250V/7A output wires from switch to loads.

### b. IR Remote Control Unit

- **ALL- OFF button:** to turn OFF all the loads connected to switch..
- **L1,L2,L3 and L4 buttons:** to ON/OFF loads connected to switch.
- **FAN1 and FAN2 buttons:** to ON/OFF fans
- **UP and DOWN buttons:** to speed UP/DOWN fan.

## 3. TOOLS REQUIRED

- Multistrand power cable
- Insulation tape
- Wooden Gattas
- Screws for mounting unit on wall.
- Line tester
- Wire stripper
- Simple hammer
- Drill gun

## 4. INSTALLATION PROCEDURE

**Caution: Switch off the main power while doing the Power Connection steps.**

**Step 1:** Wall mount the Wireless 6 channel Relay unit.

**Step 2:** connect AC 230V supply to red and black wire of relay unit. (refer figure 1.)

**Step 3:** connect each blue wire from Relay unit each loads (phase) and connect each load's neutral lines directly to neutral line of Relay unit (Refer Figure. 1).. First 4 channel (outputs 1,2,3,4) gives electromagnetic relay outputs which can be used to connected lights and bulbs remaining 2 channel (outputs 4,6) gives triac outputs which can be used to connect fans.

This completes installation.

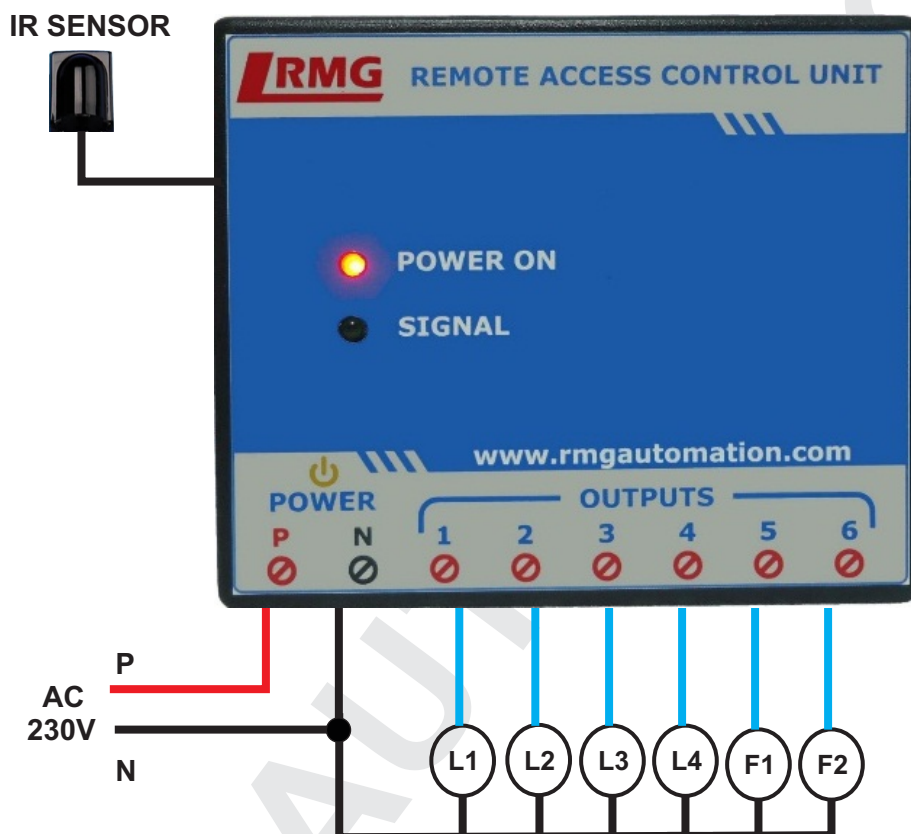


Figure1: Power & Load connection

**Note:** In case of doubts please call 044 - 43180017 or What's App 9940594413 from Monday to Saturday 10 am to 6 pm.

**Electrical appliances that can be connected to 4 channel output:**

- Lights and bulbs – LED lights and LED bulbs, Incandescent bulbs, CFL bulbs, Halogen bulbs, HPS (High Pressure Sodium) and LPS (Low Pressure Sodium) bulbs, LED street lamps and any lighting source below 1000 watts

**Electrical appliances that can be connected to 2 channel output:**

- Fan

## 5. OPERATING PROCEDURE

- Give AC power supply to 6 Channel Wireless Relay.
- Use IR Remote to ON/OFF electrical appliances. For each light loads there is buttons labeled as L1,L2,L3 and L4. For each fan there is FAN1 and FAN2 buttons to ON/OFF. Use UP button to increase the speed and DOWN button to decrease the speed of fan
- There is a ALL-OFF button in IR Remote to OFF all the electrical appliances connected to 6 Channel Relay Switch simultaneously.

## 6. TROUBLE SHOOTING METHODS

Sl. No.	Error	Solutions
1	Device dead / Not Powered ON	a. Check the power connection wires for loose contacts. b. If problem continues, contact RMG Automation for support
2	Load connected is not turning ON	a. Check whether the loads connected exceeded the maximum load capacity of 1000 W . b. Check whether the connections are given properly. c. Check the IR Remote, whether it is working properly. d. If connections are okay and still issue persist, contact RMG Automation for support