

# RF WIRELESS SYSTEMS

Instruction Sheet

## Technical Characteristics

### RF Light Dimmers

RF wireless Dimmers are designed with phase control leading edge technology using high powertriac, either operated manually (soft push/feather touch), or by using RF remote control (103268) or the i-Home Gateway application (101646). Besides controlling light intensity, it is possible to set scenes from the remote or i-Home Gateway. Super luxurious in appearance, the LEDs make it easier and convenient to operate the devices in the dark. The Dimmer are equipped with micro controller chips to save parameters preset by the user, making it very convenient to use. The panels are compatible for device & scene scheduling.

### Technical Specifications

- Rated Voltage: 160-264V
- Radio Frequency: 433.92 MHz
- Rated Load:
  - a) Resistive load (☼) incandecent lights: 40-450 W
  - b) Capacitive load - LED (PF > 0.80): 80W
  - c) Ferromagnetic & Electronic Transformer (Halogen): 40-300VA
- Power consumption in standby mode: 0.25 to 0.3 W
- Humidity Range: between 10-50 degree centigrade: 95% RH
- Service Life: 50,000 operations
- Suitable for mounting on inflammable surface ▽
- Impact protection: IK02
- Class two appliance ☐

### Salient Features

- Provided with in-built surge protection.
- Triac based with obstruction free RF control.
- Operates by Soft push/feather touch or using remote control (103268) or i-Home Gateway (101646).
- Equipped with LEDs for convenience in dark.
- Beep sound in i-touch & i-feel for feedback of the operations.
- Facilitates easy scene setting from remote & i-Home Gateway.
- OFF Timer Function using Remote & i-Home Gateway.
- Simple retrofit installation, does not require special wiring
- Lower limit setting
- ON/OFF, dimming can be scheduled through i-Home Gateway functions.

Important : 1) For LED loads, use SMPS based power supply with power factor above 0.80

2) Do not connect loads in series. 3) Use only dimmable lights/drivers. 4) Use sine wave inverters only.

### Operations

- a) Manual: The connected Dimmer can be switched ON or OFF by lightly touching the (ON/OFF) key or in Touch Dimmer (102214) by pushing (☼) key. To control the intensity of the light, touch (+) or (-) or push the (△/▽) keys, till the light achieves the intensity that you desire.
- b) Through Remote: To switch the light ON or OFF, press the number on the Remote assigned to the dimmer. To control the light intensity, first press Up/Down (△/▽) on the Remote as per your requirement. Then press and hold the assigned number on the Remote till the desired intensity is achieved.
- c) Using i-Home Gateway: The RF Fan Regulator can be operated using the i-Home Gateway application. For details please refer to the i-Home Gateway manual.

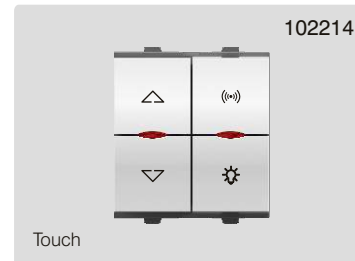
### Memory Function

- I) If power goes OFF, irrespective of whether the Dimmer was ON or OFF, it will always restart in the OFF mode when power returns.
  - a) If you'd like the RF Touch Dimmer (102214) to return to its last state (either ON/OFF) then first cut off power to the Dimmer. Press the (☼) key, restart the power to the Dimmer & then release the (☼) key. Now, the RF Touch Dimmer will return to its last status when power is back from a power failure.
  - b) If you like the i-Feel (102634) or i-Touch (102553) Dimmer to return to the last status every time power returns after a power failure, do the following : Long press (ON / OFF) key on the Dimmer for around 15 seconds till you hear 2 beep sounds (Please ignore the first beep that you will hear after 7 seconds).
- II) To erase Remote settings for the Dimmer and to reset its memory to default settings, press the (ON/OFF) key for 20 seconds.

### Setting Lower Limit

The Goldmedal RF Dimmers enables you to dim your LED light down to 10V. But because not all LED lights behave similarly, some LED lights may start flickering before the voltage reaches 10V (for example at 60V). This threshold level varies across different LED lights. To ensure that your LED lights do not flicker when dimmed, the Goldmedal RF Dimmers allows you to define the minimum threshold voltage for your LED lights. To do this, first set the LED light at the lowest dimmable level that you want. Then do the following depending on the type of Dimmer you've installed:

- a) For i-Touch & i-Feel (102553 / 102634): Touch the (ON/OFF) key on the Dimmer 5 times, repeatedly. That's it. Your LED lights will not go below this level and it will therefore not flicker. If you wish to reset this level back to the factory settings, simply touch the (ON/OFF) key on the Dimmer 5 times, repeatedly. This cancels the earlier set limit. You can now redefine the lower limit as explained earlier.
- b) For RF Touch Dimmer (102214): Cut off power to the Dimmer. Then press the Down arrow (▽) key and without releasing the button, restart the power to the Dimmer. Then release the (▽) key. To cancel this lower level setting repeat the same procedure with the UP arrow (△) key.

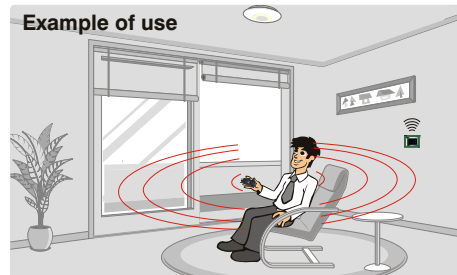


### 1) RF Remote Control

The RF Remote Control enables you to create 8 scene settings and control up to 29 RF devices in your home or office. The RF technology used ensures that you can control these devices even across physical barriers. You therefore needn't point the remote control at the device. The RF Remote thus provides 360 degrees of control!

#### Features of Remote Control

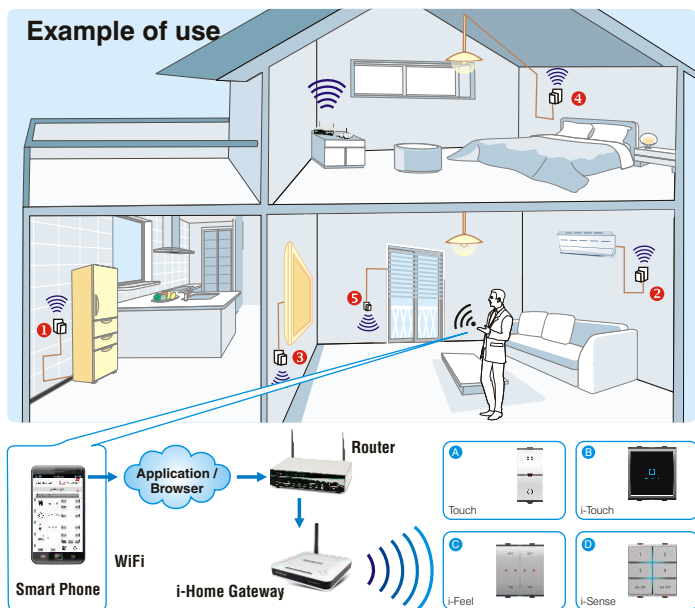
- Requires one-time programming of RF devices with the Remote control.
- The Remote Control is ergonomically designed to easily fit into your palm. Button spacing, programming of the devices, etc. have been designed keeping your convenience in mind.
- The Remote Control adds a high level of convenience to your lifestyle. It is so simple to use that even the children in your family will find it easy to use.



\* (Detailed manual of RF Remote is available at [www.goldmedalindia.com](http://www.goldmedalindia.com))

### 2) i-Home Gateway

The i-Home Gateway lets you control everything from lights to fans to drapes and other RF functions from anywhere in the world. Simply synchronize the RF devices once with the i-Home Gateway application and then schedule scenes or control individual devices using your smart phone, computer or any other smart computing device. Your home or office is now intelligent!



#### Features of i-Home Gateway

- Requires one-time programming of RF devices with the i-Home Gateway application for remote and scheduled operations
- Can control up to 4 Remote Controls. Each Remote can be used to set up 8 scenes and 29 devices.
- Once setup is complete, you can control all RF devices from anywhere in the world. Distance and location will no longer be factors in controlling the electrical equipment in your home or office.
- The i-Home Gateway application works over the Internet, Mobile and LAN networks. Connection between application and device is through a router.
- All functions available on the RF Remote can be performed using the i-Home Gateway. This includes operating individual switches, fan regulators, dimmers, drape controllers and setting scenes.
- In addition to Remote functions, the i-Home Gateway can be used to schedule device as well as scene timings.
- The i-Home Gateway application is for your convenience. Manual operation will always override i-Home Gateway settings.

\* (Detailed manual of i-Home Gateway is available at [www.goldmedalindia.com](http://www.goldmedalindia.com))



#### Goldmedal i-Home

Download the Goldmedal i-Home App on your smart device to control your RF Switches from anywhere in the world. Download now!

\*All RF devices are future ready. The RF devices that you have purchased earlier are compatible with the RF Remote Control as well as i-Home Gateway application. Goldmedal ensures that all RF products you purchase will continue to be compatible with evolving technologies.

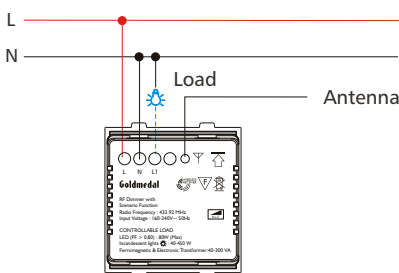
#### **!** Safety instruction

- Electrical equipment must be installed and fitted by a qualified electrician only.
- The electronic switches are single pole switches and disconnect only one pole when they are OFF.
- To prevent electric shock, disconnect both the poles of the main supply, before working on the appliance.
- Failure to observe any of the installation instructions may result in fire and other safety hazards.

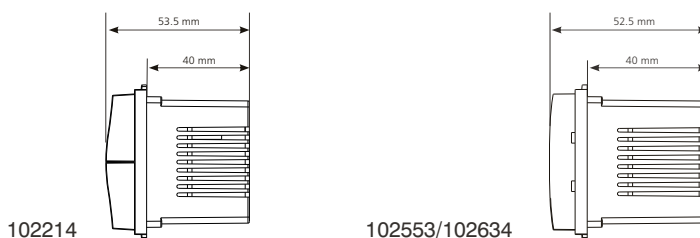
#### Warranty

All electronic devices are warranted against manufacturing defects for two years from the date of purchase. In the event of defects, Goldmedal will repair or, at its discretion, replace the warranted product if delivered to a Goldmedal authorized dealer along with a duly stamped guarantee card and sales receipt that shows the date of purchase along with the serial no. of the product. This warranty excludes defects due to abnormal load, abuse or failure to use the product in accordance with the instructions. Goldmedal shall not be liable for any other damages, whether incidental, consequential or otherwise.

### Wiring Diagram



### Dimensions (mm) Side view shows overall dimensions & flush depth.



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