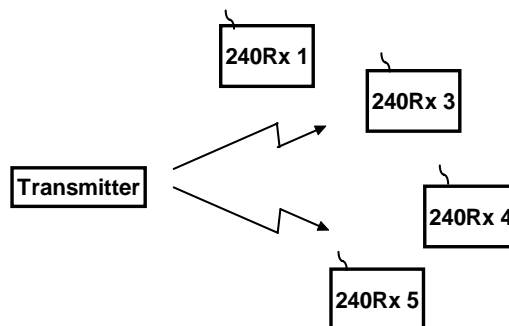
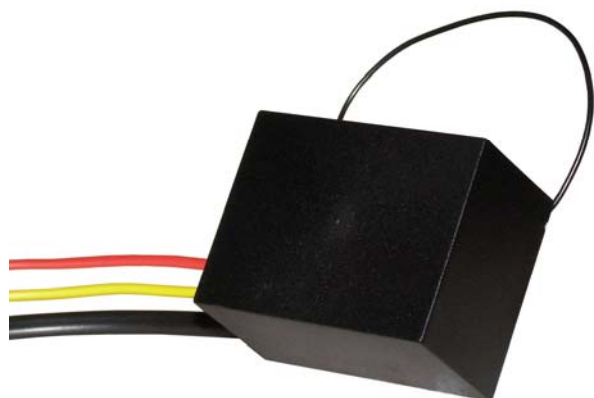


'240' Series

“A miniature waterproof ‘in line’ Remote Controlled mains switch”



Typical Application

Features

- General Purpose Receiver ‘Switch’
- Waterproof Receiver ‘Resin module’
- Any number of receivers per system
- Pairs with one or many Transmitter buttons’
- Output Switches up to 240 Watts at 240Vac
- 433MHz FM operation upto 100m Range
- Easy Learn Transmitters Pairing Process
- Measures 49 x 39 x 30mm

Applications

- Garden Lights
- Floodlights
- Access Control
- Outside Remote Control
- Mains Switching

A general purpose remote control receiver module. The 240 modules can be used in conjunction with one of the RF Solutions transmitters to generate a complete Remote Control System.

The System uses a highly secure transmission protocol for reliable operation. Encased in Epoxy resin, the ‘240’ receiver is a completely waterproof module. Colour coded wires provide connections to the incoming mains supply and switched mains output.

A simple learning process pairs the 240 to any switch on the transmitter (compatible transmitters listed below). A transmitter can be paired to any number of ‘240’ module and each ‘240’ module can learn to up to 7 transmitter switches.

Part Number	Description
240-433F	Additional 240 receiver modules

'240' Series

Compatible Transmitter: 204 Series

- Pocket Fob with Wall Mounting Holster (96 x 47 x 23mm)
- 4, 8/16 Switch Versions
- Range up to 100 Metres
- Battery Type: 2 x CR2016
- LED Indication of Transmission



The 8/16 unit has 8 switches and a 'shift' key, pressing the shift key causes the LED to change from Red to Green shifting the switches as either 1-8 or 9-16.

Part Number	Description	Range** (Metres)	Freq (MHz)
204C4-433F	FM Transmitter 4 Sw	100	433.92
204C16-433F	FM Transmitter 8/16 Sw	100	433.92

** Range stated is optimum, direct line of sight. In worst conditions this can be reduced

Compatible Transmitter: 205 Series

- Hand Held Tx
- Rugged 'Polypropylene' Enclosure IP67
- 8 or 16 Switch Version
- Coloured Switches IP67
- Range 433MHz up to 200 Metres
- Battery Type: 2 x CR2016
- Dimensions, excluding Antenna:
90 x 250 x 41mm (w x h x d)



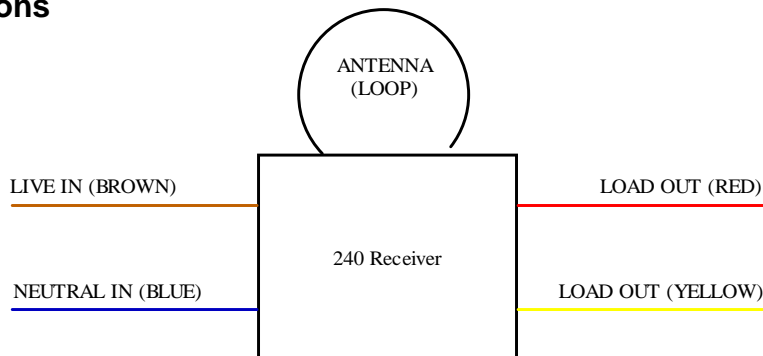
Part Number	Description	Range** (Metres)	Freq (MHz)
205C8-433F	FM Transmitter 8 Sw	200	433.92
205C16-433F	FM Transmitter 16 Sw	200	433.92

** Range stated is optimum, direct line of sight. In worst conditions this can be reduced

'240' Series

240 Receiver

Wiring Connections



Live In: Brown
 Neutral In: Blue
 Load Out: Red
 Load Out: Yellow
 Antenna: Black (DO NOT CUT THIS!)

Warning!

This product operates at 230Vac, this means that no wires should be cut or exposed, including the antenna.

Technical Specifications

Dimensions: 49 x 39 x 30 mm
 Storage Temperature: -10 to +70° Celsius.
 Operating Temperature: 0 to +55° Celsius.

The output stage is a TRIAC and hence no isolation is provided.

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage: 240 Vac Supply	230		240	Vac
Load	.024		1	A

Part Numbering

Part Number	Description
240-433F	Additional 240 receiver modules



'240' Series

Learning a new Transmitter Encoder

1. Power the 240 module up and wait 10secs for the unit to enter 'normal operation' mode.
2. Switch the 240 module OFF and then ON again in 1 second intervals four times finally leaving the 240 module powered on.
3. After 5 seconds the 240 module output will flash three times in 1 second intervals.
4. The 240 module will then turn ON, the unit is now in 'learn' Mode.
5. Briefly press a button on the transmitter, the 240 module output will turn OFF.
6. Briefly press the transmitter button again, the 240 module output will flash three times.
7. Wait 10sec for the 240 module to return to 'normal operation' mode.
8. The transmitter is now 'learnt' to the 240 module and will operate the 240 module.

Warning!

The unit is designed to be a fixed installation, which is to be connected to a mains supply. Any installation of the product must only be carried out by a qualified electrician.

Please Note

Each 240 module can learn up to seven buttons from a transmitter (can be the one or multiple transmitters). The same transmitter can be paired with any number of 240 modules
The unit automatically exits learn mode if a transmission is not received within 10 seconds.

Erasing Transmitter Encoders form Memory

1. Power the 240 module up and wait 10secs for the 240 module to enter 'normal operation' mode.
2. Switch the 240 module OFF and then ON again in 1 second intervals six times finally leaving the 240 module powered on.
3. After 5 seconds the output will flash three times in 1 second intervals.
4. Wait 10secs for the 240 module to return to 'normal operation' mode
5. The 240 module has now erased all transmitter data.

**R. F. Solutions Ltd.,
Unit 21, Cliffe Industrial Estate,
South Street, Lewes,
E Sussex, BN8 6JL. England**

Tel +44 (0)1273 898 000

Fax +44 (0)1273 480 661

Email sales@rfsolutions.co.uk

<http://www.rfsolutions.co.uk>

