GLR43304240

4-Channel 433MHz Gigalink Receiver with Mains AC supply

Features

- Supply voltage 240VAC (also available in 110-120VAC supply for international markets)
- High efficiency toroidal transformer
- High capacity output relay
- Pluggable type terminal blocks for easy installation
- Test push buttons for the output relays
- Momentary, Latching and Security Latching modes are all user selectable
- Optional QM150 bracket available for easy mounting to cases or walls
- IP66 rated case available for outdoor installations.

Applications

- Pump Control
- Long distance light control
- On/Off applications in agricultural devices
- Basic Telemetry eg. Water level indication
- Security alarm

Description

The GIGALINK™, GLR43304240 is the most advanced Remote Control technology available in the world today. GIGALINK™ is an invention that has revolutionised the entire Remote Control technology including Elsema's earlier version of FMT- … and FMR- … series. The GLR43304240 state-of-the-art invention brings a new dimension in the world of Remote Control technology in domestic, commercial and industrial applications.

The toroidal transformer on this receiver is 25-30% more efficient than the conventional types. It has a low operating temperature, low hum and low stray magnetic field.

Connecting wires to the receiver has been made easier by the pluggable type terminal block. An on board LED indicates when power is connected and an extra LED on the board to indicate when the relay is activated. There is a test button for the relay output to test your connections.

There are test buttons for each relay output and a high quality SMA RF connector is added to the antenna connection on the 433MHz for optimum performance.

The receiver's high capacity output relay is capable of switching up to 16 Amps of resistive load and up to 8 Amps of inductive load. A world first for a standalone receiver.

The receiver can be mounted to a Quick Mount or in a weatherproof case with an IP66 rating.

Four billion codes
The user can easily change the code on all the channels. Momentary joining the two CC pins on the receiver board sets all channels to one random code.

Code Programming
For code programming, please refer to the separate programming instructions.

Output Modes
Relay output on the receiver can function in either momentary or latching mode. By default the mode is set to momentary. Modes selectable from the 4-way dipswitch. Dipswitch 1 corresponds to relay channel 1 and dipswitch 2 corresponds to relay channel 2 and so on.

Factory Default = Momentary

Momentary - Output is active for as long as the transmitter button is pressed.
This is a standard mode on most automatic gates or garage door openers.

Latching - Output remains active until next press of the transmitter button.
Similar to switching "on" and "off" a light.

Security Latching - Output remains active until power to the receiver is removed. Similar to security alarms and fire alarms. To activate the security latching mode, a link needs to be soldered into the hole marked as latching.

Customised Software
Custom output modes can be programmed to do special functions. Call Elsema for more details.

Unique Code System
The microcontroller EEPROM allows large volume users to have a unique code. This enables Elsema to offer everyone "your own" radio control.

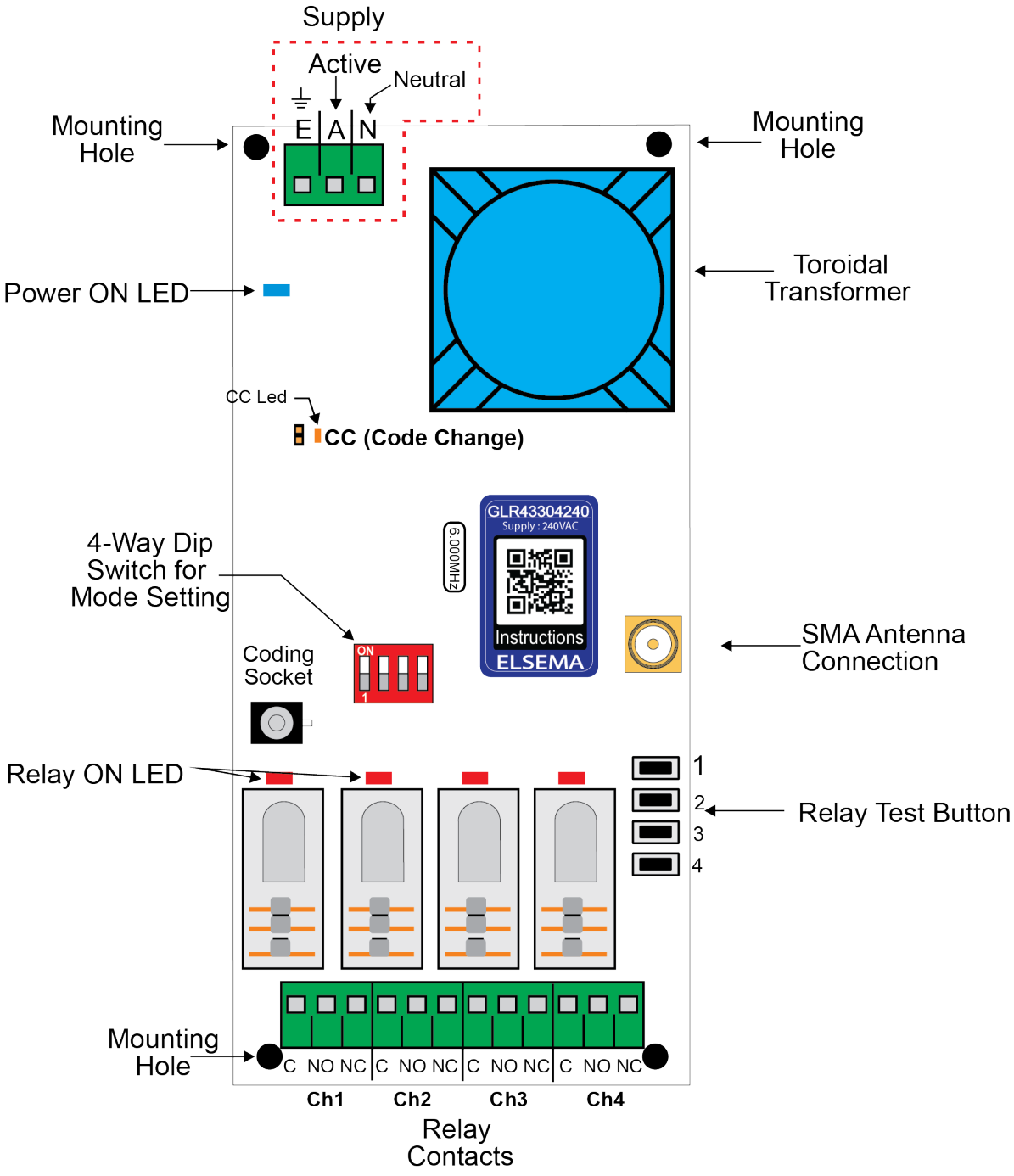
Products in the Range

				
GLR43301 1-Channel	**GLR43301240** 1-Channel, 240V	**GLR43302** 2-Channel	**GLR43302240** 2-Channel, 240V	**GLR4330412** 4-Channel, 12 - 24V
				
GLR43304240 4-Channel, 240V	**GLR43308** 8-Channel	**GLR43308R** 8-Channel Relay Output	**GLR43302SS** **Receiver with 6-way female connector**	**GLR43302SST** **Receiver with terminal block**

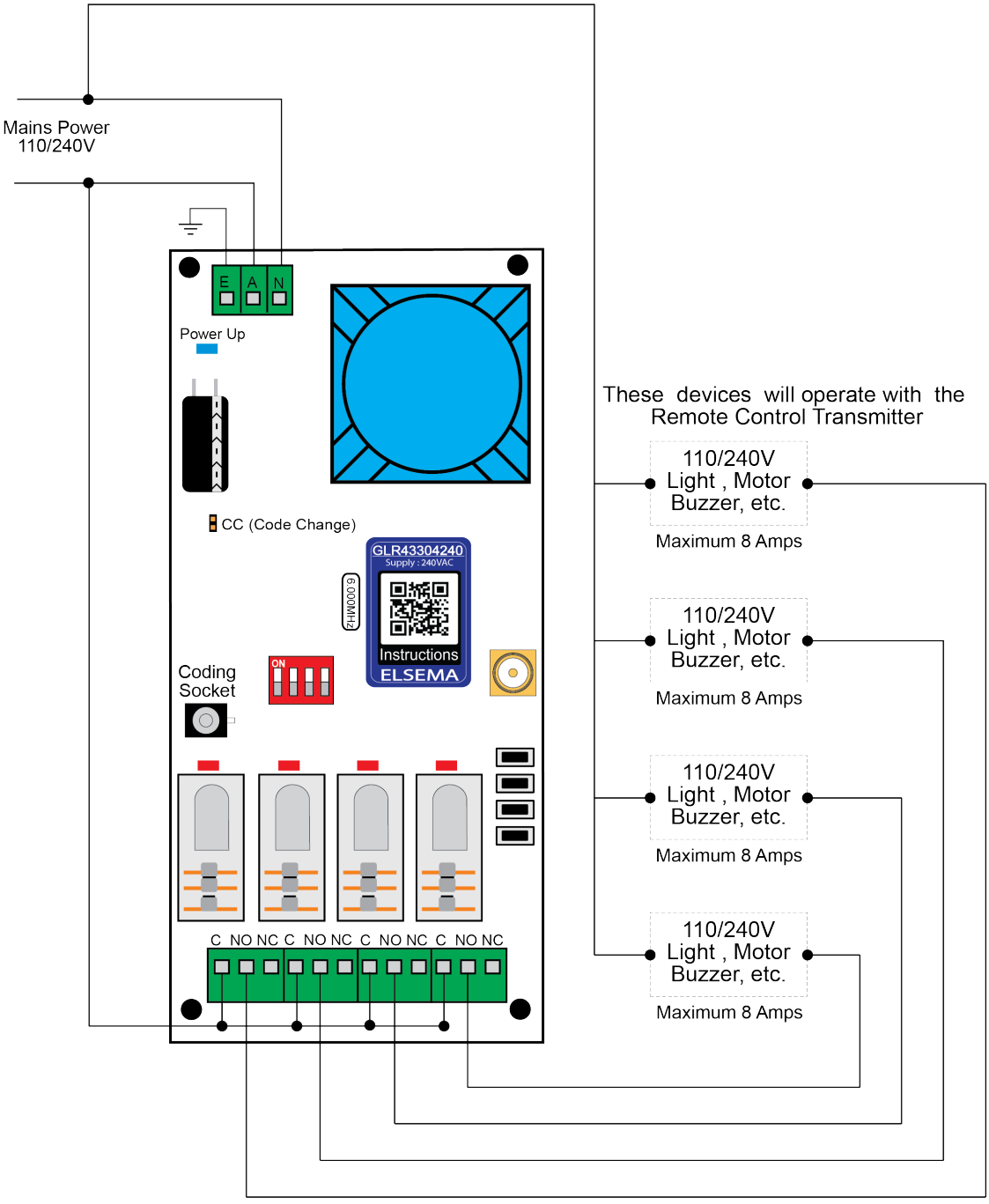
Technical Data

Supply Voltage	240Volts AC Mains (110-120VAC available for international markets)
Current Consumption	25mA
Receiving Freq	433.920MHz
Operating Temperature Range	-5 to 50°C
Outputs	4 Change over relay output, rated at 16 Amps of resistive load and up to 8 Amps of inductive load.
Connections	Supply & Outputs - pluggable type terminal blocks.
Antenna	Elsema's ANT433MHz series antennas or piece of approximately 690 mm long wire for short range applications.
Dimensions	165 x 70 x 35
Mounting hole size	3.97 mm or 5/32"
Useable Transmitters	All Elsema Type 433MHz GLT-... series

Block Diagram



GLR43304240 Application



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