

GLT4330112E & GLT4330812E

433MHz GIGALINK™ 25mW TRANSMITTERS

For use in Australia Only!

Features

- One & eight channels.
- Wide supply connection – 11.0 to 24.0 Volts DC.
- More than four billion code combinations and no dipswitch visible, enabling it to be used for high security applications.
- 433 MHz transmissions. No interference from electrical noise and other signals.
- Microcontroller technology, replaces the traditional dipswitch coding which eliminates any possible code grabbing.
- Built-in battery monitor. Red LED indicates to the user when the battery is low.
- Ability to program un-limited number of transmitters to a receiver, making expandability unlimited.
- Uses Gigalink technology, this involves using a receiver cable to program the transmitter. Some transmitters and receivers are programmed through the air. This is very risky since another person can grab your code.

Applications

- Security, wireless activation/deactivation of domestic or industrial alarms
- Gate operation
- Panic buttons
- Remote Activation of lights
- Simultaneous operation of multiple on/off functions

Description

The **433MHz GIGALINK™** transmitters are an 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 GLT43312 series, state-of-the-art invention brings a new dimension in the world of Remote Control technology in domestic, commercial and industrial applications.

Operating Distance

An operating distance (with an ANT433M antenna) of 1000 metres is possible. Range test was done in an open area test site with line-of-sight operation.


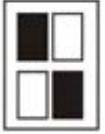


Case

The GLT43312 Series transmitters are enclosed in an alloy metal case.

The transmitter modes are user selectable by simply setting the 2-Way dip-switch on the transmitter board.



Transmitter Modes

	<p><i>Off Delay 2 – 62 seconds</i> Transmitter will transmit a 1.5 second transmission burst and then stop for the "off delay" time selected. The "off delay" time is user selectable between 2 to 62 seconds by adjusting the trimpot of the transmitter board. If another channel is activated during the "off delay" period the new channel will be transmitted immediately. When the "off delay" time lapses, transmitter will transmit another burst. The transmitter will cycle (transmission and off delay) indefinitely, if at least one channel is activated and the supply is connected.</p>
	<p><i>Off Delay 10sec – 10 minutes</i> Same as mode 1 except the "off delay" is user selectable between 10sec to 10 minutes.</p>
	<p><i>Continuous Transmission*</i> Transmitter will transmit continuously, if at least one channel is activated and supply is connected. A transmission limit of five minutes is used to comply with local radio regulations. To activate a receiver longer than 5 minutes, use a delay off feature in the receiver (GLR43301) and transmitter. The delay off feature in the receiver needs to be set more than the transmitter. This ensures that the transmitter keeps resetting the off delay in the receiver. www.elsema.com/contitran.htm</p>
	<p><i>1.5 – 10 seconds one burst transmission</i> Transmitter will transmit one burst and then go to standby or sleep mode. Adjusting the trimpot will vary the burst length. When another channel is activated and supply is connected, transmitter will emit one new burst.</p>
<p>Sleep mode (20 uA) is activated when all 8-channels are OFF, this applies to all four modes.</p>	

(Black illustrates the position of the DIP switches)




Keeping the receiver ON indefinitely

Set the transmitter to transmit every 10 sec while the input is activated (Off-delay on the transmitter) and set the delay on the receiver to more than 30 sec (more than x3). When the transmitter stops transmitting (Input is deactivated) the receiver will wait for 30 sec before turning Off. Every 10sec pulse from the transmitter will keep extending the 30sec delay on the receiver so the relay stays ON.

The times are just examples and can be adjusted. The longer the delay on the receiver, the better it is. It means the receiver should miss multiple signals before turning OFF. This will also mean that when the transmitter stops, the receiver will wait for it's delay time before turning off.

Make sure to choose the receiver which has the OFF Delay mode.

Products in the Range

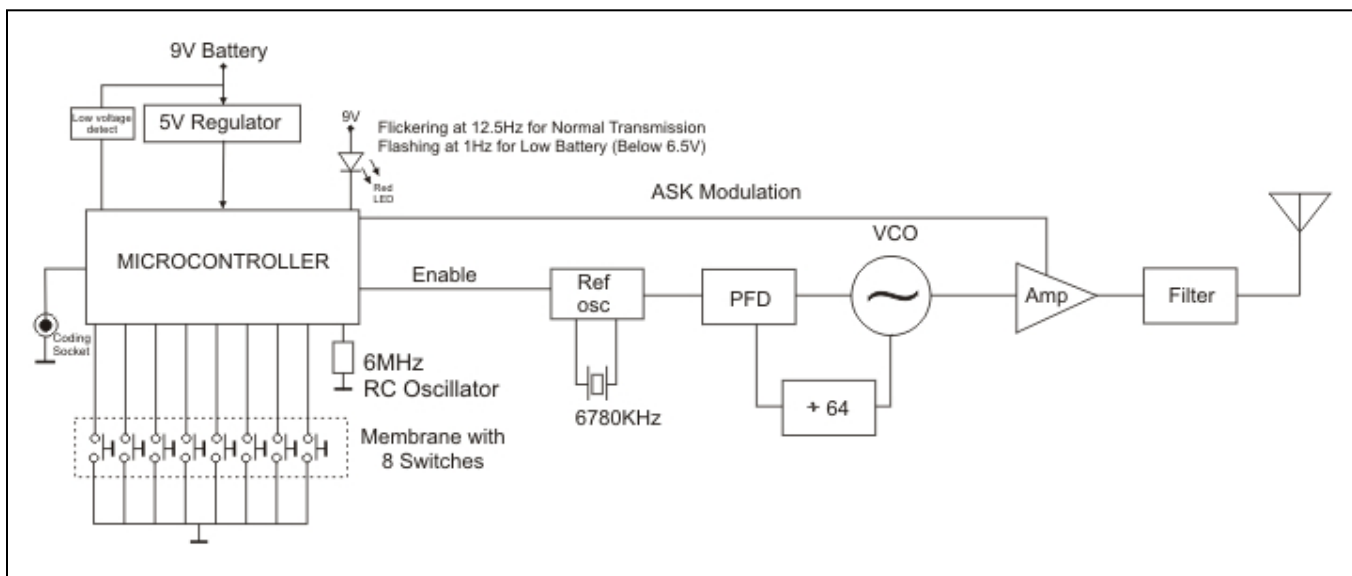
				
<p>GLT43300 Transmitter</p>	<p>GLT43301 1-Channel</p>	<p>GLT43302 2-Channel</p>	<p>GLT43303 3-Channel</p>	<p>GLT43304 4-Channel</p>
				
<p>GLT43308 8-Channel</p>	<p>GLT43316 2-Stroke, 16-Channel</p>	<p>GLT4330112E 1-Channel</p>	<p>GLT4330812E 8-Channel</p>	

Technical Data

Model	GLT4330112E & GLT4330812E
Power Supply	11- 24V DC
Current Consumption	Max 45mA
Standby Current	20uA (Typical)
Battery Monitor	LED flashes at 1Hz, during transmission, when battery voltage is at 6.5V (flat 9V battery)
Operating Freq	433.920MHz
Operating Temperature Range	-5 to 50°C
Antenna	Elsema has a wide range of 433MHz Antennas in stock.
Dimension	140 X 60 X 34 mm (Enclosed).
Weight	225 grams
Useable Receivers	GLR433... series
Useable Operating Range	Up to 1000 metres when used with ANT433M (line-of-sight operation)

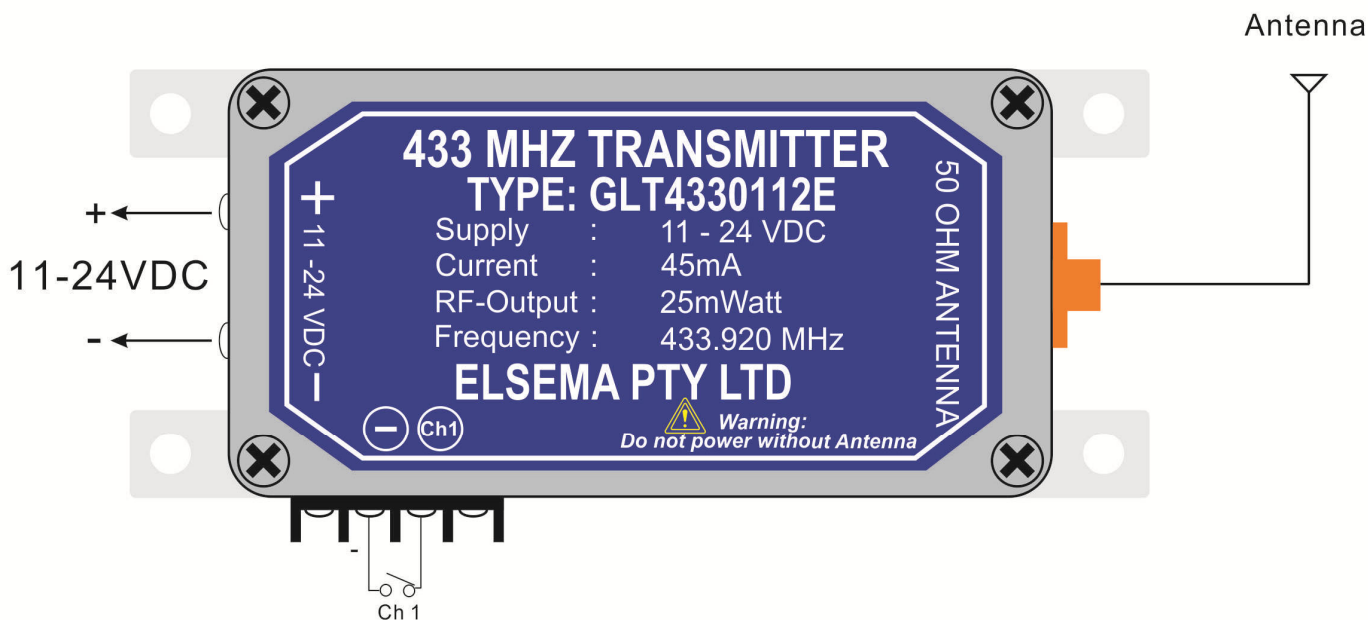
Block Diagram

GLT4330112E & GLT4330812E



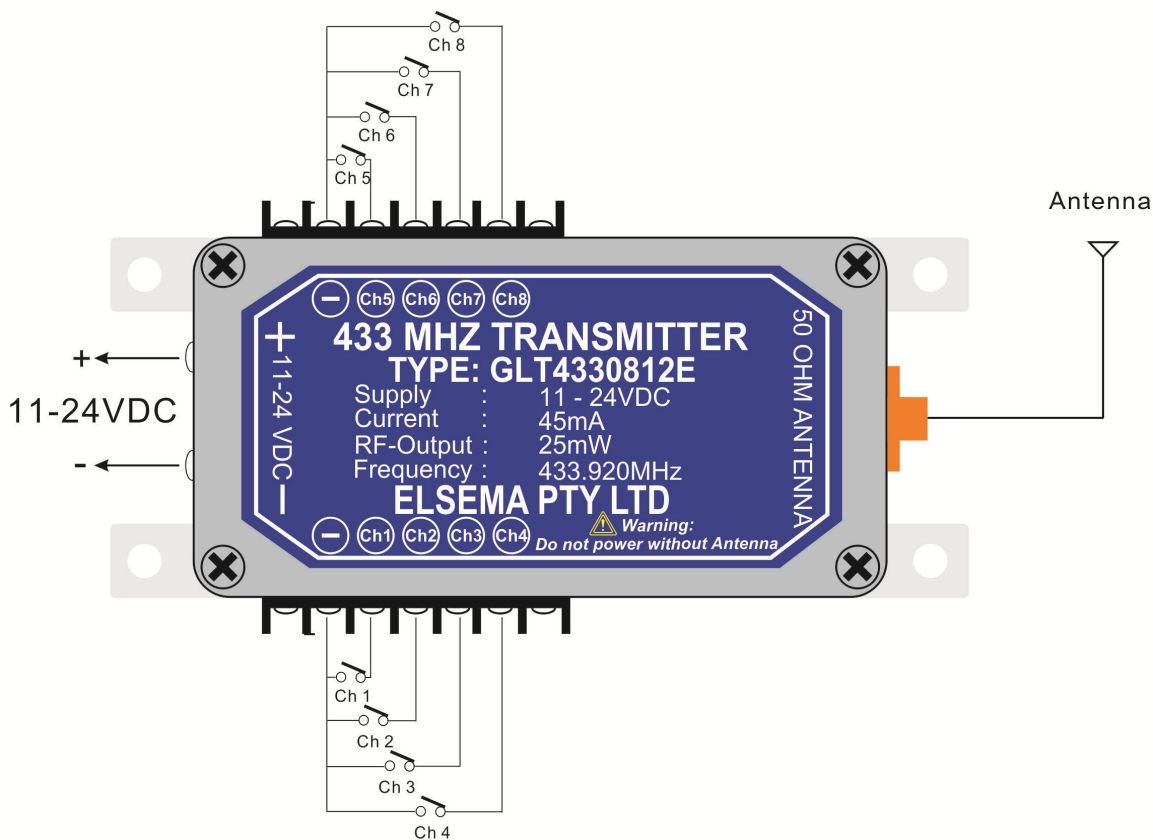
Wiring Diagrams

GLT4330112E

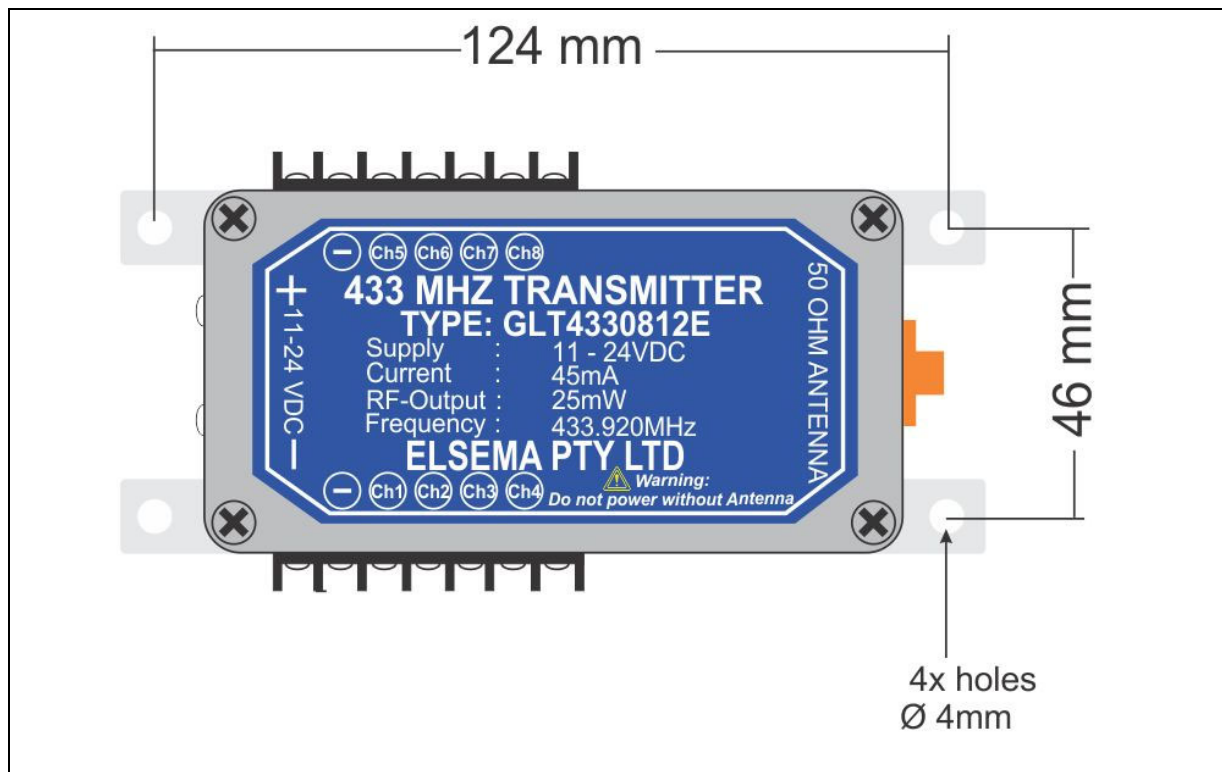


Input should be a voltage free contact closure only.

GLT4330812E



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Dimension**Elsema Pty Ltd**

31 Tarlington Place, Smithfield
NSW 2164, Australia.
Ph: 02 9609 4668
Website: <http://www.elsema.com>

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