

1,2,3,4,8 -Channel 433MHz,25mWatt Transmitte

GLT4330112E, GLT4330212E, GLT4330412E, GLT4330812E, GLT433xx12NC

433MHz, 25mW GIGALINKTM TRANSMITTERS

Features

- One, two, four & 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 **25mW 433MHz** GIGALINKTM transmitters are an advanced Remote Control technology available in the world today. GIGALINKTM 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 ANT433SSMA antenna) of 1500 metres is possible. Range test was done in an open area test site with line-of-sight operation.

Case

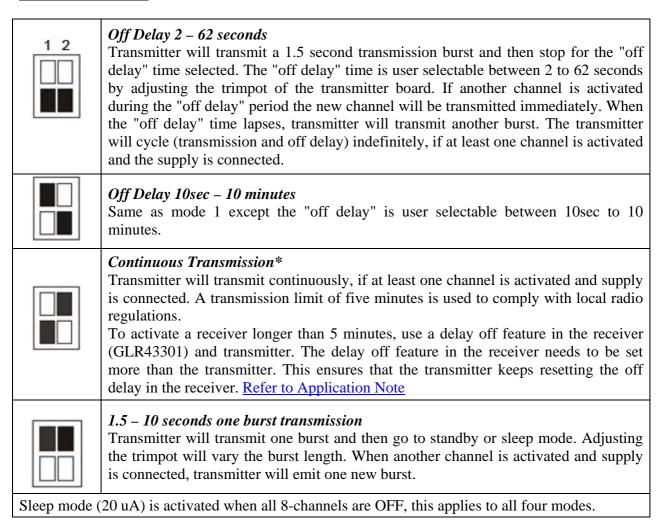
The GLT43312 Series transmitters are enclosed in an alloy metal case, while the GLT433xx12NC is PCB assembly only.

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





Transmitter Modes



(Grey illustrates the position of the DIP switches)

^{*} Refer to the website for further details. Continuous Transmission



Products in the Range

ELSEMA OIGACODE" MODULATION	GIGALINK TYPE GLT43301 ELSEMA GIGACODE™ MODULATION	ELSEMA BELLENCY WITHLANDS	GIGALINK	GIGALINK TYPE: GLT43304 ELSEMA GIGACODE™ MODULATION
GLT43300 Transmitter	GLT43301 1-Channel	GLT43302 2-Channel	GLT43303 3-Channel	GLT43304 4-Channel
GIGALINK (01743300) (1) • (2) (3) (4) (5) (6) (7) (3) ELSEMA	GIGALINK TYPE: GIT 43318 ELSEMA DIGACODE™ MODULATION			NL: No label The Elsema Label is absent.
GLT43308 8-Channel	GLT43316 2-Stroke,	GLT43300NC Transmitter,	GLT43308NC 8-Channel,	
o chamer	16-Channel	No Case Option Pin header	No Case	
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GLT4330112E 1-Channel, 25mW	GLT4330212E 2-Channel, 25mW	GLT4330412E 4-Channel, 25mW	GLT4330812E 8-Channel, 25mW	GLT43308NC 8-Channel, 25mW No Case



Technical Data

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Model	GLT4330112E, GLT4330212E, GLT4330412E, GLT4330812E, GLT433xx12NC		
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)		
Normal Operation	The LED flickers at 12.5Hz during normal operation		
Operating Freq	433.920MHz (Other frequencies available on request. Refer to the table below)		
Carrier Freq Tolerance	Crystal controlled 30 parts per million		
Operating Temperature Range	-5 to 50°C		
Radiated RF Power Output	25mW		
Antenna	ANT433SSMA		
Type of Emission	AM 100% depth		
Freq Deviation Limiting	1600 - 1900Hz non-return to zero		
Modulation Freq	120Hz to 1.8kHz (15% tolerance)		
Spurious Transmission	Less than -40dBm		
Necessary Bandwidth	±2.5kHz		
Digital Coding System	Microcontroller based 96-bit word		
Code Combination	Approximately 4.3 billion		
Dimension	90 X 56 X 15 mm (PCB Assembly)	140 X 60 X 34 mm (Enclosed).	
Weight	51g excluding battery	225 grams	
Useable Receivers	GLR433 series		
Useable Operating Range	Up to 1.5 Km when used with ANT433SSMA		

Available Frequencies

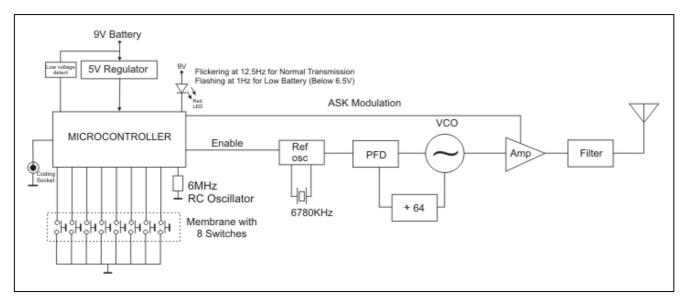
SF2	433.664 MHz
SF3	433.408 MHz
SF4	433.152 MHz
SF5	434.688MHz
SF6	434.432 MHz
SF7	434.176MHz
SF8	433.792 MHz
SF9	434.304 MHz

Please quote Correct SF number when ordering transmitters on special frequencies.



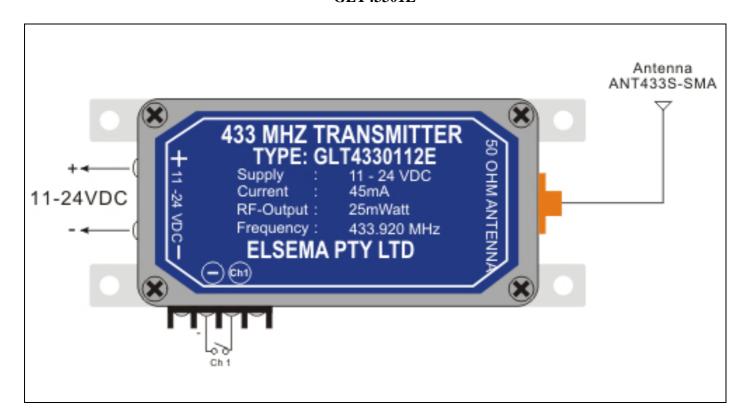
Block Diagram

GLT4330112, GLT4330212, GLT4330412, GLT4330812, GLT433xx12NC



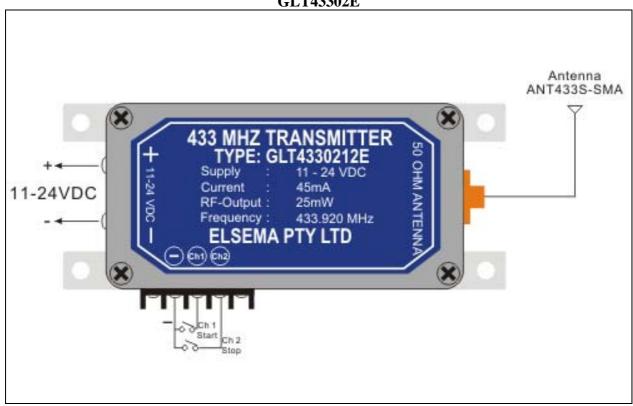
Wiring Diagrams

GLT43301E

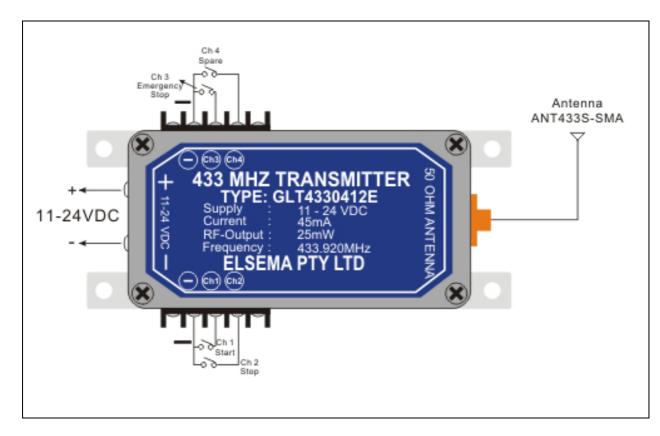




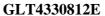
GLT43302E

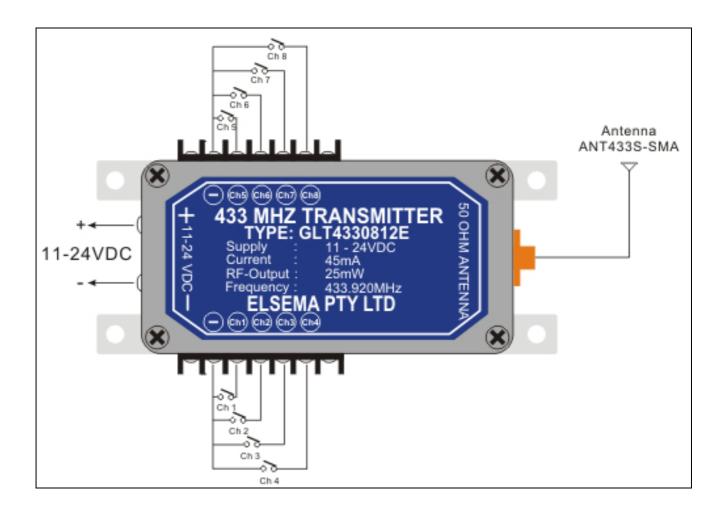


GLT43304E



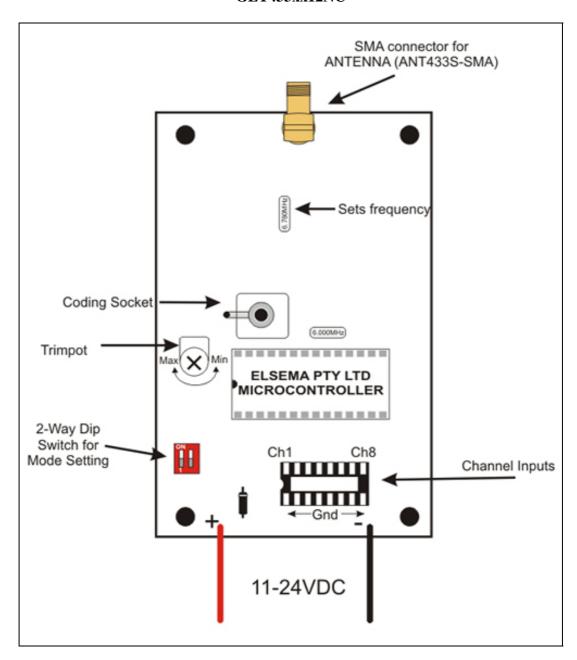
ELSEMA







GLT433xx12NC



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