

GLR27VOID

Single Channel 27MHz Gigalink™ Receiver with Void

Features

- Enable / Disable up to 99 transmitters
- Unlimited number of transmitters with the same code can be programmed

Applications

- Automatic gates, security, timer controlled outputs and simple on/off functions etc

Description

The GLR27VOID lets the user enable/disable up to 99 transmitters with each transmitter having a different code. Programming the transmitter with different two-digit numbers does this.

User can program an unlimited amount of transmitters with the same code. For example, a family of four could have four transmitters with the same code. This would only use up one of the two-digit numbers. To program a transmitter with the same code you need to give each transmitter the same two-digit number.



Technical Data

Supply Voltage	11.0 to 28 VDC and 10.0 to 28 VAC. Can use Elsema AC power pack (12PP or 24 PP). Supply lines should be less than 3 metres long to comply with radio frequency authorities.
Current Consumption	10mA standby at 12 VDC Supply 45mA if relay "ON" at 12 VDC Supply
Receiver Type	Dual Conversion Superheterodyne
Receiving Freq	27.195MHz (Other freq available on 27.045, 27.145, & 27.455MHz. The 27.455 freq is not available for Australia)
Type of Crystal Used	10.245MHz, Fundamental, 20pf, 30ppm 16.495MHz, Fundamental, 20pf, 30ppm
Operating Temperature Range	-5 to 50°C
1st IF Freq	10.7MHz
2nd IF Freq	455kHz
Selectivity	-6dB at ±5kHz -20dB at ±6kHz
Image Rejection	At 26.285MHz better than -60dB
Sensitivity	1µV (for output to activate)
Type of Demodulation	Narrow-bandwidth Frequency Modulation (FM)
Occupied Bandwidth	±5kHz
Decoding System	Microcontroller based 96-bit word
Code Combinations	4,294,967,296
Output	Change over relay output, rated at 5 Amps/240 Volts
Connections	6-way screw type terminal block
Antenna	50 ohms, 27MHz CB-Antenna or approximately 1m long & 1mm thick piece of wire
Dimensions	150 x 75 x 44mm
Mounting Hole Size	3.97mm or 5/32"
Weight	165g
Useable Transmitters	All Elsema Type 27MHz GLT... series
Useable Operating Range	Up to 350m with proper 50 ohms, 27MHz CB-Antenna. Up to 200m with 1m long antenna wire. Antenna wire should be extended and away from metal. Ranges assume line-of-sight operation.

Programming the GLR27VOID

Step 1: Check to see if power is connected to the receiver.

Step 2: Connect the transmitter to the receiver by inserting the GIGALINK™ cable into the 2.5-mm sockets. This will activate the programming mode and is indicated by the red light (LED), on the transmitter, that must remain on .

Step 3: Select, on the receiver, the two digit number you want the transmitter to operate on.

Step 4: Press one of the selected channels on the transmitter for approximately one second, transmitter LED should blink twice to confirm code programming and then switch off .

Step 5: Unplug GIGALINK™ cable. The selected channel on the transmitter is ready to be used.

Steps 1 to 4 can be repeated to program another transmitter channel.

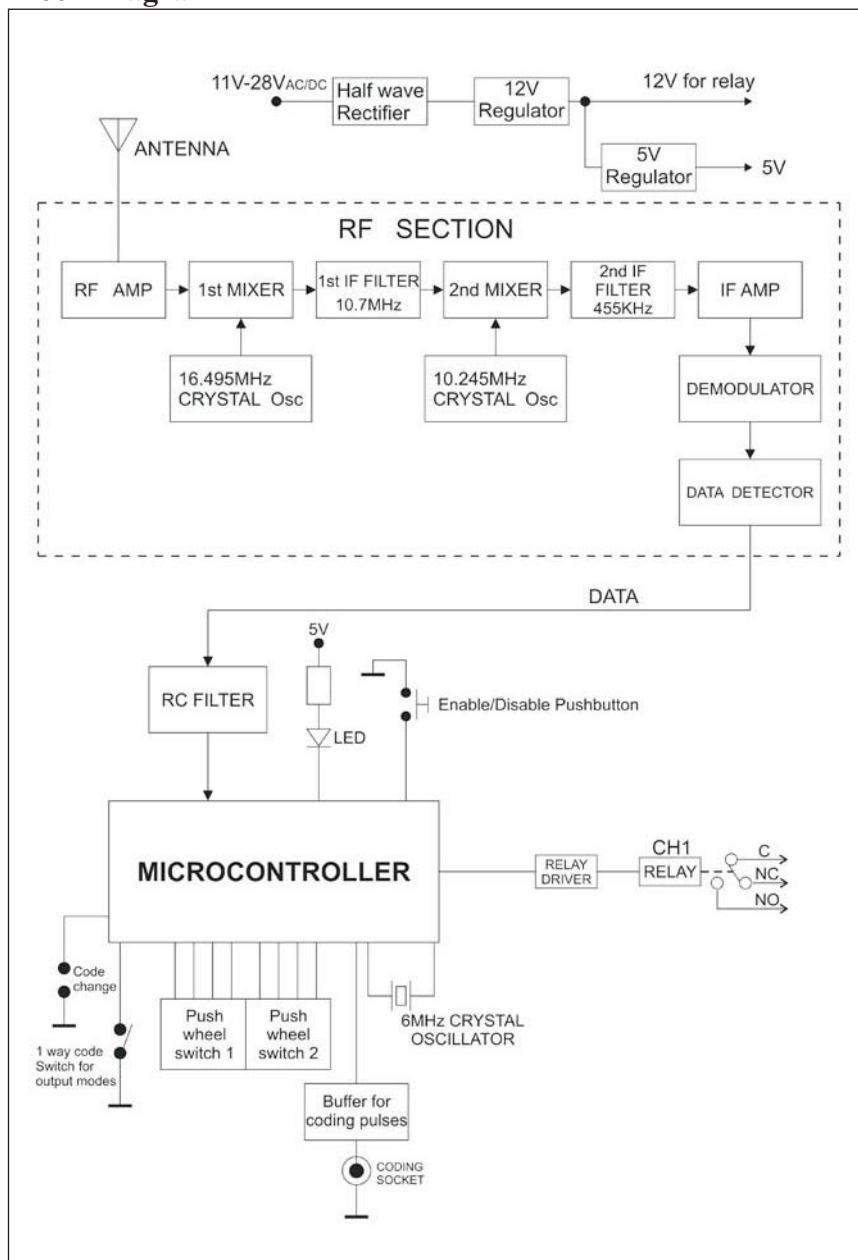
Button next to the two digit numbers is used to enable or disable the transmitter that is programmed with the two-digit number. The LED on indicates transmitter is enabled and LED off indicates the transmitter is disabled.

Transmitter is enabled when red LED is “on”, for its chosen two-digit number.

Do not select 0 0 as the two digit number. Factory testing only.

The one-way dip-switch is used to change the relay output from Monetary to Flip-fop.

Block Diagram



Products in the Range

GLR2701	Single Channel
GLR2701240	Single Channel 240V Relay
GLR2702	2-Channel
GLR270312	3-Channel 12V Relay
GLR270324	3-Channel 24V Relay
GLR270412	4-Channel 12V Relay
GLR270424	4-Channel 24V Relay
GLR2708	8-Channel
GLR270812R	8-Channel 12V Relay
GLR270824R	8-Channel 24V Relay
GLR27CS	Single Channel Code Switch

Elsema Pty Ltd
 3/10 Hume Rd, Smithfield
 NSW 2164
 Ph: 02 9609 4668
 Fax: 02 9725 2663
 Website: www.elsema.com

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