

GLR27CS

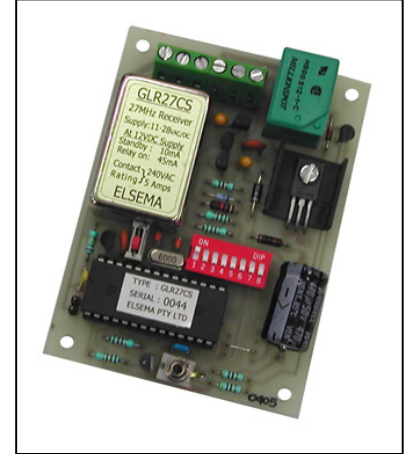
Gigalink™ 27MHz 1-Channel Receiver with Code Switch

Features

- Enable / Disable up to 8 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 GLR27CS lets the user enable/disable up to 8 transmitters with each transmitter having a different code. 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.

Programming the GLR27CS

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, dip switch that 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”.






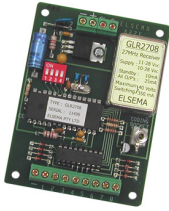
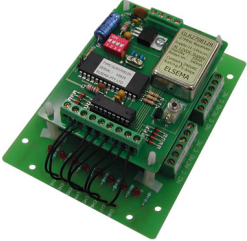
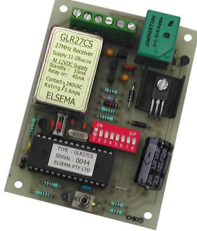
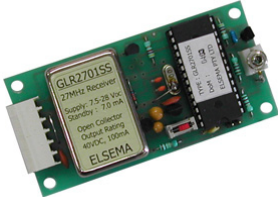
Step 5: Unplug GIGALINK™ cable. The selected channel on the transmitter is ready to be used.

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

If the dip switch for the respective transmitter is off then that transmitter is disabled.

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

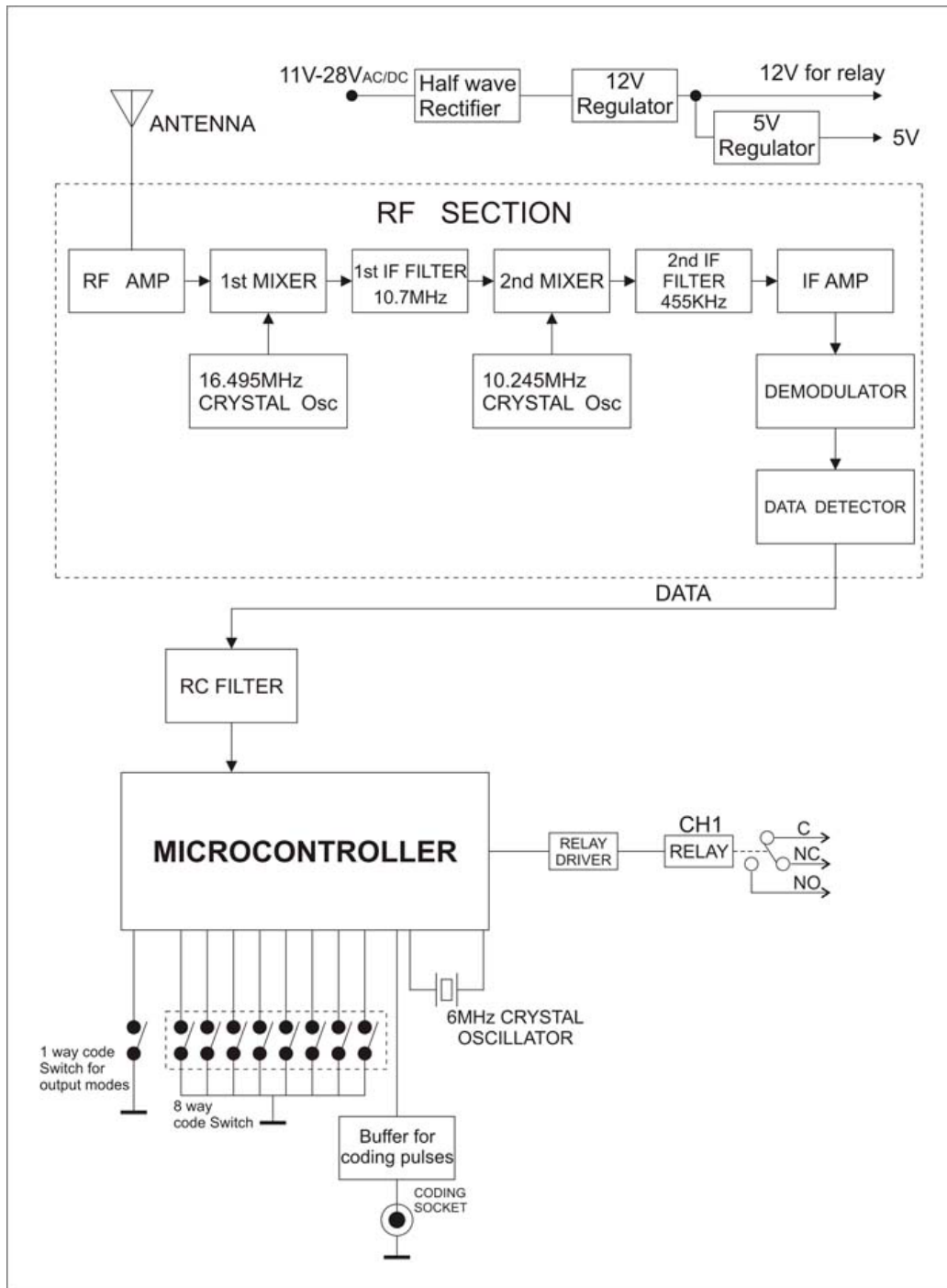
Products in the Range

				
<p>GLR2701 1-Channel</p>	<p>GLR2701240 1-Channel, 240V</p>	<p>GLR2702 2-Channel</p>	<p>GLR270312 GLR270324 3-Channel, 12 / 24V</p>	<p>GLR270412 GLR270424 4-Channel, 12 / 24V</p>
				
<p>GLR2708 8-Channel</p>	<p>GLR270812 GLR270824 8-Channel, 12 / 24V Relay Output</p>	<p>GLR27CS 1-Channel, Code Switch</p>	<p>GLR2701SS GLR2702SS 1,2 -Channel, Open Collector Output</p>	

Technical Data

Supply Voltage	10.0 to 28 V AC/DC. Absolute maximum DC 40 Volts. Can use Elsema 12-volt AC power pack (PP12).
Current Consumption	10mA standby, 45mA if one output is “On”
Receiver Type	Dual Conversion Superheterodyne
Receiving Freq	27.195MHz (Other frequencies available: 27.045, 27.145 & 27.455MHz. NB. 27.455MHz is available for Europe Only)
Type of Crystal	10.245MHz, Fundamental, 20pf, 30ppm 16.495MHz, Fundamental, 20pf, 30ppm
Operating Temperature Range	-5 to 50°C
1 st IF Freq	10.7MHz
2 nd IF Freq	455kHz
Selectivity	-6dB at ±5kHz, -20dB at ±6kHz
Type of Demodulation	Narrow-bandwidth Frequency Modulation (FM)
Sensitivity	1uV (for output to activate)
Image Rejection	At 26.285MHz better than -60dB
Occupied Bandwidth	±5kHz
Decoding System	Microcontroller (32-bit word 4.29 x 10 ⁹ codes)
Code Combinations	4,294,967,296
Outputs	Open collector output sinks 400mA. Outputs can hold 50 Volts in “Off” state. Simultaneous reception of multi-channels is not possible with this receiver.
Output Mode	Momentary. During normal operation 3-way dip switch should be off.
Outputs	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	95 x 70 x 20mm
Mounting hole size	3.97mm or 5/32"
Weight	77g
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.

Block Diagram



Manufactured by

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