

# ZC CONTROLLER

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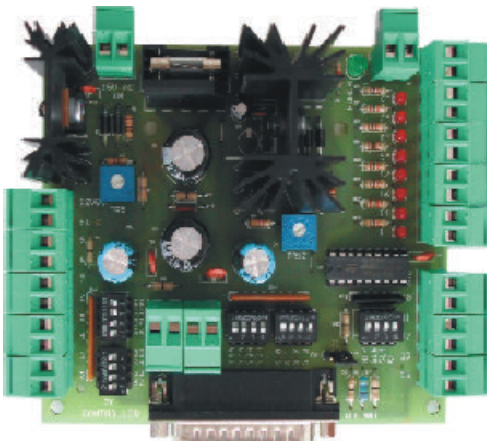
**ATTENTION!:** Read this section before connecting or using

## FEATURES

- 12VAC to 15VAC Power supply
- 12VDC output
- 5VDC output
- LPT connection 25 pin
- TTL input internal 4,7Kohm pull-up
- TTL output internal 4,7Kohm pull-up
- 8 output 12VDC 250mA each max
- Easy select
- Easy connection
- Led power indicator
- Led output indicator 12VDC

## APPLICATIONS

- Industrial automation
- Computer Numeric Control
- Robotics
- Medical products
- Packaging system
- Labeling



## DESCRIPTION

The ZC CONTROLLER is a board that together with a software can be used for connecting parallel port LPT with drivings of ZX1, ZX2, for taking output of 12VDC 5VDC and for running limit, switch probes, stepper motor ecc.

It has 8 output with led 12VDC for microrelè selected by a switch.

PINS CONNECTIONS						
Pin LPT	Terminal	Switch	Outout TTL*	Output 12VDC	Input TTL*	
1	1	S1 ON	No	Yes	No	
2	2	S2 ON	Yes	No	No	
3	3	S3 ON	Yes	No	No	
4	4	S4 ON	Yes	No	No	
5	5	S5 ON	Yes	No	No	
6	6	S6 ON	Yes	No	No	
6	6A	S6A ON	No	Yes	No	
7	7	S7 ON	Yes	No	No	
7	7A	S7A ON	No	Yes	No	
8	8	S8 ON	Yes	No	No	
8	8A	S8A ON	No	Yes	No	
9	9	S9 ON	Yes	No	No	
9	9A	S9A ON	No	Yes	No	
10	10	S10 ON	No	No	Yes	
11	11	S11 ON	No	No	Yes	
12	12	S12 ON	No	No	Yes	
13	13	S13 ON	No	No	Yes	
14	14	S14 ON	No	Yes	No	
15	15	J1 ON	No	No	Yes	
16	16	S16 ON	No	Yes	No	
17	17	S17 ON	No	Yes	No	
18-25			GND LOGIC			
	G1		GND LOGIC			
	G2		GND 5-12VDC			
	G3		GND 5-12VDC			
	G4		GND 5-12VDC			

\* Input and output TTL are intendent internal resistor pull-up 4,7Kohm

## WARNING!

If you use ZC CONTROLLER without connection to ZX1 or ZX2 you must connect G1 and G2 by a jumper otherwise it does not work. This for connecting GND logic parallel port to GND power.

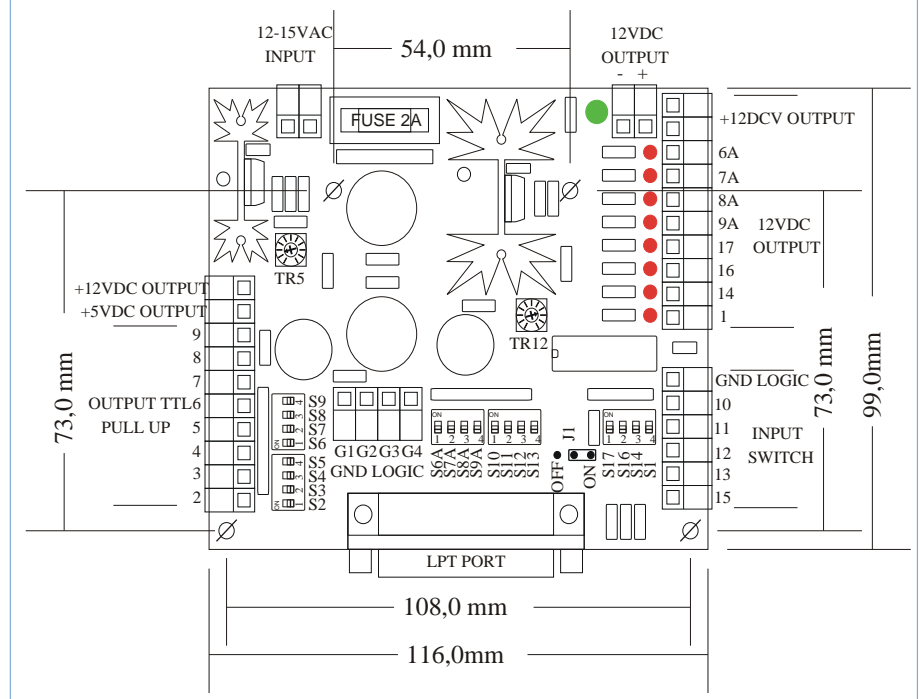
## NOTE:

Use of a cooling fan is recommended.

To adjust by TR5 output 5VDC (default)  
To adjust by TR12 output 12VDC (default)

Read for scheme application of connection ZC CONTROLLER SCHEMATIC, exZX1.2 exZX2.3 and exZX2.4

## FEATURE LOCATION/TERMINAL



**EXCEEDING MAXIMUN RATINGS WILL CAUSE FAILURE!**

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