Animatronic Controller Boards

Wizard 11 Controller Boards - vs - Other Control Boards

Wizard 11 Control Board Standard Features

- 6- R/C Servo Channels - on board programmable.
- 1- AutoTalk Channel option from the 6 R/C channels.
- 4- Min Recording / Playback on Board Sound Chip.
- 6 -Min servo, digital program routine recording to EEprom.
- 2- On board relays, 30Vdc @2 amp, wire terminal connection blocks.
- Duo Power supply required - 9 Vdc electronics, 6 Vdc Servo Power.
- Standard, looping, Auto Start, Remote Activation Features.
- Digital ON-OFF, NEXT, PLAY and RECORD on-board buttons.
- Servo action reversing option on the audio channel servo - 2.
- Max and minimum servo travel points for the audio servo channel - 2.
- Remote terminal block activation for manual start switch, sensors.
- Programming and operation Green and Red status LED's.
- EEPROM - programmed data, can be removed and copied FOR other Wizard - 11 boards.
- Synchronization output signal to activate other Wizard boards linked together.
- REMote - board trigger input from remote sensor with H or L signal activation jumper.
- 2 - direct Digital control signal 0 / 4.5 Volts dc -10 mA connection pads, for hard wiring.
- On-board potentiometer, time delay, playback loops, adjustable 0 to 65 seconds.
- Record enable / disable jumper to protect recorded programming routine.
- On-board AUTO-PLAY and LOOP-PLAY switches.

Board Features	Wizard 11 Control Board	Other Controller
1. Programming.	1. On Board Programming Directly.	1. Computer / Software / Interface / Cables Needed.
2. Control Software.	2. None- Not Needed.	2. Custom Application Software Needed.
3. Control Code.	3. None- Not Needed.	3. Basic, Modified Programming Language Codes.
4. Memory.	4. On Board EEproms holds program routine.	4. Computer Hard Drive, on board EEprom.
5. Audio (record/playback).	5. On Board Audio System and IC Sound Chip.	5. None - Separate Board System Needed.
6. Relays.	6. 2-On Board Mechanical, NO, Com, NC relays.	6. None - Separate Board System Needed.
7. Direct Servo Control.	7. On Board - Servo connections. (3-pin headers).	7. I/O coded - Ports need to be addressed, 3 wire connection.
8. Auto Start Features.	8. User selectable - On Board switch selection.	8. I/O programming coded needed.
9. Playback Looping Features.	9. User selectable - On Board switch selection.	9. I/O programming coded needed.
10. Remote Activation.	10. On Board connection for switches, sensors.	10. I/O programming coded needed, onboard connection.
11. Sensor Activation Setting.	11. On Board jumper configuration (H or L trigger).	11. I/O programming coded needed.
12. Programming Routine Time.	12. 6 min routine record time, 4 min sound recording.	12. EEprom - memory size.
13. Power Requirements.	13. Duo Supply 9 and 6 Vdc Regulated.	13. 9-24 Vdc supply.
14. R/C Servo Driver Number.	14. 1-6 Standard R/C Servos.	14. 1-8 Standard R/C Servos, I/O ports, breakout board needed.
15. Real Time Programming.	15. Standard feature, Synchronization, channel selection.	15. Computer code routine required first, breakout board needed.
16. Connections, Wire, Power.	16. Standard feature, wire terminals, connection jacks.	16. Some, require breakout boards added.
17. Multiple Boards connection.	17. Standard feature, sync terminals, to other boards.	17. I/O programming coded needed.
18. Support Manuals.	18. Complete user manual, (Visual Drawing based).	18. Simple quick guide, code listing.
19. Application Examples.	19. Sample setup and user application guide.	19. Limited application examples.
20. On board Controls.	20. Buttons, Potentiometers, LED's on board.	20. Some, require breakout boards needed.
21. Boards test, pre-assembled.	21. Pre-assembled and test.	21. Pre-assembled and test.
22. I/O Port - Special Boards.	22. Channel 2 can be setup as AutoTalk servo option.	22. 1-8 I/O Ch, program code needed, breakout board needed.
23. I/O Analog Program Channel.	23. None.	23. 1-8 analog Ch, program code needed, breakout board needed.
24. Digital Ports on board.	24. 2-Direct Digital Channels, breakout board needed.	24. 1-8 digital Ch, program code needed, breakout board needed.
25. Mounting Holes / Features.	25. Mounting holes, board edges (4 holes).	25. 1-4 mounting holes.
26. Relay Switching.	26. On Board relays rated DC and AC voltage loads.	26. Require breakout DC / AC voltage boards added.
27. PWM output on board.	27. On board 1-6 PWM outputs.	27. 1-8 PWM I/O, program code needed, breakout board needed.
28. Operating Learning Curve.	28 Approx: 15 minutes.	28. Approx: 1 hour plus.
29. Price Range.	29. $255.00. Price not including Servos, Power Supplies, Support Electronics.	29. $35.00 to $200.00, Price not including Computer, Software Servos, Relay modules, Support Electronics, Power Supply.

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