Animatronic Controller Boards

Wizard Controller Boards - vs - Other Control Boards

Board Features	Wizard Controllers	Other Controllers
1. Programming.	1. On Board Programming Directly.	1. Computer / Interface / Software / 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 hold recorded program routines.	4. Computer Hard Drive, Flash Card, EEprom.
5. Audio (record/playback).	5. On Board Audio System and IC Sound Chip.	5. None - Separate Board System Needed.
6. Relays.	6. On Board - Mechanical, NO, Com, NC features.	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, some 3 pin 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, on board 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. 5 min to 25 min routine recording times.	12. EEprom Size - memory storage
13. Power Requirements.	13. 9-12 Vdc Regulated supply.	13. 9-24 Vdc Regulated supply.
14. R/C Servo Driver Number.	14. 1-8 Standard R/C Servos.	14. 1-8 Standard R/C Servos, I/O port mod 1-24 R/C Servos.
15. Real Time Programming.	15. Standard feature, Synchronization, channel selection.	15. Some, most computer code routine down load required first.
16. Connections, Wire, Power.	16. Standard feature, wire terminals, connection jacks.	16. Some, others require break-out boards added.
17. Multiple Boards connection.	17. Standard feature, sync terminals, to other boards.	17. I/O programming coded needed, some on boards ports.
18. Support Manuals.	18. Complete user manual, (Visual Drawing based).	18. Some, others simple quick start only guide.
19. Application Examples.	19. Sample setup and user application guide.	19. Some, limited application examples.
20. On board Controls.	20. Buttons, Potentiometers, LED's on board.	20. Some, others require breakout boards added.
21. Boards test, pre-assembled.	21. Pre-assembled and test.	21. Some, others require assemble breakout boards and user test.
22. I/O Port - Special Boards.	22. 1-8 I/O Channels.	22. Some, 1-8 I/O channels, others 1-64 1/0 ports.
23. Analog Port - Special Boards.	23. 1-8 Analog Channels.	23. Some, 1-8 analog channels, others 1-24 analog ports.
24. Digital Ports on board.	24. 1-8 Digital Channels.	24. Some, 1-8 digital channels, others 1-24 digital ports.
25. Mounting Holes / Features.	25. Mounting holes, board edges (4-6 holes).	25. Some, 1-4 hole mounts.
26. Relay Switching.	26. On Board relays rated DC and AC voltage loads.	26. Some, others require breakout DC / AC voltage boards added.
27. PWM output onboard.	27. Onboard 1-8 PWM outputs.	27. None, Some 1-8 PWM I/O output control code needed.
28. Operating Learning Curve	28. Approx: 15 Minutes.	28. Approx: 1Hour plus
29. Price Range.	29. $40.00 to $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.