

## Wizard - II Board

Motion / Switched Digital Output Controller

### General Description

The **WIZARD - II BOARD** is a small 9 Volt dc powered interface board that will record and playback up to 5 minutes of action for up to 4 - R/C type servos and 4 - digital outputs or can be selected to operate 8 digital outputs with on board relays or direct digital signal output connection pads each with 20 minutes per channel of recording time.

The Wizard - II board also incorporates features such as looping playback action with variable delay rates between start-up on power up and sensor input.

A terminal connection block for remote switching, pressure pad or synch signal from other device to initiate playback sequences is built on board also.

Recording sessions are built up on a channel by channel process - no complex programming is required. During recording, all previously recorded channels are re-played to aid synchronization the current channel being programmed. Programming is easily done, with a set of LED's, push button keys and control potentiometer built onto the board.

No host computer or other programming device is needed to operate the Wizard- II board. The Wizard - II board can operate remotely on battery power, or from a small wall power supply.

The Wizard - II board is pre-assembled and tested and comes with user manual, application drawings.

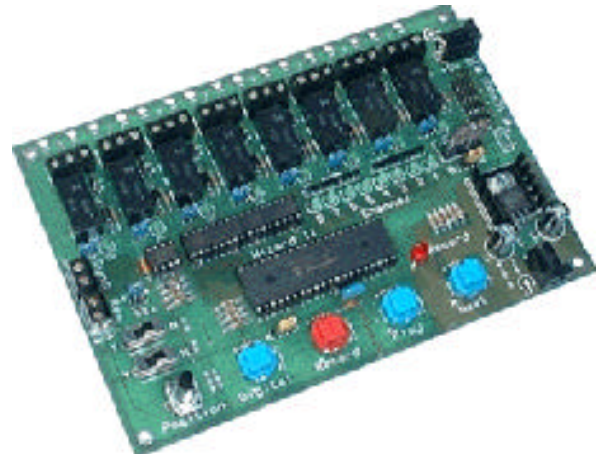
Servos and Power supply not included, but are available for purchase.

### Applications

- Animatronics
- Robotics
- Technology
- Haunted Attractions
- Media Arts
- Entertainment
- Trade Shows
- Marketing
- Other

### Ordering Information

Catalog Number:  
WAC-0020



Board Size: 6-5/8" L x 4-1/2" W  
Power Requirements: 9 Volts dc @ 3 Amp.

### Features

- 4 Servomotor output channels, each capable of recording and playback of up to 5 minutes of action.
- 8 direct Digital channels with 5 Volt dc at 100 mA outputs, each capable of recording and playback of up to 20 minutes of action.
- 8 selectable onboard relays ( 2 Amp @ 30 Vdc ).
- Relays have insert wire terminal connection blocks.
- 8 direct Digital control signal 0-5 Vdc -100 mA output connection pads, for hard wiring to board outputs.
- On board Potentiometer to adjust the servo positions during recording or to determine the time delay between play loops during automatic loop play, fully adjustable between 0 and 65 seconds.
- On board NEXT, PLAY and RECORD buttons.
- Record enable / disable jumper to protect programming.
- On board AUTO-PLAY and LOOP-PLAY switches.
- On board Status LED's (Green and Red).
- Battery remote operation or wall power operation.
- Remote terminal block activation switch connection.
- Programming and operation green and red LED's.
- The servo outputs provide standard pulse coded signals of between 1 msec and 2 msec duration repeated every 20 msecs making it suitable for all standard hobby +5 Vdc R/C type servos.
- EEPROM - containing the programmed data, can easily be removed and copied to other Wizard II boards.
- Synchronization signal to activate other Wizard boards.
- Many more unique features.

[For more information on this product or to place an order](#)

# Wizard - II Controller Board Pneumatic Valve Bank Overview

