Wizard- IV Board

4- Channel Program Relay

General Description

The **Wizard- IV Controller Board** or Programmable 4 - Channel Relay interface board will record and playback up to 25 minutes of programmed ON and OFF action for 1 - 4 digital outputs / Relays.

The board incorporates such features as looping playback, variable delay between programmed routines, auto loop, auto start-up on power up, a connection terminal for remote switch activation by manual switch, PIR sensor, pressure pad, etc, to activate playback routines.

Recording sessions are built up on a channel-by-channel basis - no complex programming needed or connection to a host computer to program routines. All programming is easily done on-board the controller through switches and LED status indicators.

Board has many other features including on-board programming directly to the EEPROM for storage of the programmed routine and function selection switches for various board operation modes, Sync output to activate other boards, EEPROM protection, direct digital output pins for connection to the 0-4.5 Volt output. Optional user selected jumper relay activation or power down set options.
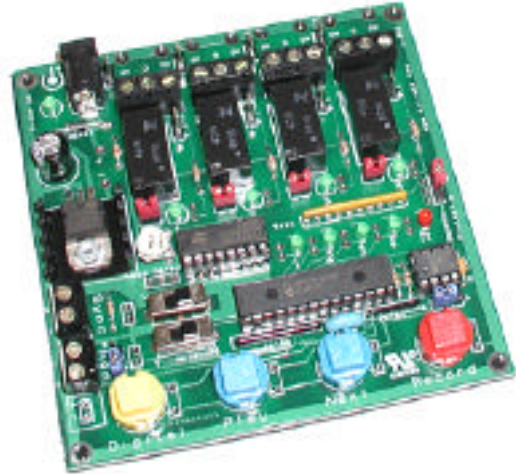
The relay contacts are rated at 30 Volt DC @ 2 Amps. Quick wire terminal blocks with wire tie down holes are built on-board for each relay. Board even has a common connector jumper option for each relay to make a single common wire connecting to the relays, eliminating extra wiring.

On-board EEPROM can also be easily duplicated for multiple board use.
Board is powered by a 9 Volt regulated power supply connected to the on-board 2.1mm socket.

(Regulated 9 Volts dc power supply not included)

Applications

- Security
- Animatronics
- Haunted Attractions
- Robotics
- Media Arts
- Technology
- Lighting Effects
- Other

Controller is pre-assembled and tested
Board Size: 4" L x 4" W x 1/2" H
Power Requirements: 9Volts dc @ 1 Amp

Features

- 4 selectable onboard relays (2 Amp @ 30 Volts dc).
- Relays have insert wire terminal connection blocks.
- 4 direct Digital control signal 0-4.5 Volts dc -100 mA connection pads, for hard wiring to board outputs.
- On board Potentiometer 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.
- EEPROM - containing the programmed data, can easily be removed and copied to other Wizard boards.
- Synchronization signal to activate other Wizard boards.
- Board is powered from regulated 9 Volts dc power supply or can be run from optional Remote Battery operation for mobile setup.
- Many more unique features.

Ordering Information

Catalog Number:
WAC-0040