

10 Channel Water Valve Control



Add some fun to your splash pad!

- Trigger from Touch Sensors
- Automatic Time of Day Enable / Disable
- Spreadsheet based and Custom Sequences
- Record and Playback!
- Network to Control Other Devices
- Nema 4 Enclosure

Add other *Bells and Whistles*™ to your water play area too!

Have tons of fun with car, animal, airplane and other themed stereo sound effects!



Sound Byte Player™

Add MP3 Stereo Music, Sound Effects or Narration!
Waterproof – Low Voltage

Plays full MP3 stereo, Easy updating of sound tracks and script files to control operation with removable SD Memory Card.



The creative team at RMA Technologies™ has other products and ideas for your display, exhibit, or themed play area. Call 1-800-291-0235 today!

Specifications:

- **Voltage Input:** 120/220 VAC, 50/60Hz., switch selectable
- **Outputs:** Qty 10, 24 VAC, 1amp Max, 10 Amp. Total, Protected with self resetting fuse
 - Solid state Triac switches, Valve ON LED indicator for each channel
 - Typical Valve specs: 24vac, 60Hz, .41a inrush, .28a holding
 - Includes 18ga parallel lamp cords for valve wiring - 10ft
- **Sensor Inputs:** Qty 2, PNP/NPN Sensor
 - OR - Up to 16 RMA Technologies Digital Switch Bus Sensors – capacitive / vibration
 - Sensor(s) Trigger Sequence
- **Enclosure:**
 - Nema 4 Waterproof Polycarbonate with Clear Cover
 - Approx 9.44" x 6.29" x 3.54"
 - Waterproof Cable Bushings for power, sensor, and solenoid cabling
 - Small profile case allows multiple units to be mounted side by side
- **Microprocessor Control**
- **Secure Digital (SD) Data Card Socket**
 - For upload of schedule and operating program upgrade (Must open enclosure to install card)
- **RS-485 Serial Interface**
 - For networking of multiple valve and other interactive units (Audio, LED, Target)
 - Multiple Units connect together for 20/30/40 channel capability
- **User Interface**
 - 2 Line x 20 character LCD
- Qty 4 soft keys - for time setting, test and adjust - TBD.
- **Real Time Clock with calendar** - removable coin cell battery
 - 365 Day Calendar time of use schedule
 - Daily Enable On / Off time - Able to enable / disable any day of year
- **Operation**
 - **Spreadsheet Based Time of Day Enable Schedule**
 - Create Schedule File on Personal Computer and Save to Secure Digital Card
 - Insert SD Card into Master LCD Display to upload program
 - 365 Day Calendar time of use schedule
 - Daily Enable On / Off time - Able to enable / disable any day of year
 - Select Sequences
 - **Spreadsheet Based Valve Output Operating sequences:**
 - Pre-determined by spreadsheet script file
 - Single chase
 - Opposite Chase
 - Random
 - Empty - Fill (all off to all on)
 - Different on burst times
 - Use spreadsheet to calculate and maintain min/max flow rates
- **Self Test Mode**
 - Multiple Valve Driver Units can be daisy chained for greater number of solenoid control - future
- **CSA Inspection** - CSA special safety inspection

Accessories:

Discovery™ Capacitive Sensors

Mount inside activation bollards or behind non metallic panels

Up to 16 can be daisy chained for multiple activation options



Discovery™ Capacitive Sensor/ Kidsensor™

- Works through wood, plastic, glass
- Two sizes - 120mm x 65mm x 40mm or 160mm x 160mm x 60mm
- Sensitive area approx 6" diameter or 14" diameter respectively
- Grey Waterproof Polycarbonate plastic enclosure
- 12VDC operation, qty 2 DC Control Outputs
- Microprocessor for custom stand-alone control



Discovery™ Capacitive Sensor w/ 8Red & 8Grn LEDs - 120 x 120 x 80

- Touch it and it changes!
- Works through wood, plastic, glass
 - Sensitive area approx 4" diameter
- Flashing Red / Green LEDs
- Controlled from
 - Sound Byte Player™ or Timer Display
- All Red, All Green, Red / Green Versions
- Grey Waterproof Polycarbonate plastic enclosure 120x120x80mm
- PCB to be hidden from view by internal label on cover