

TrolMaster

Trolmaster Aqua-x Master Pump Link

Description: Create a simple method to operate a large water pump AUTOMATICALLY each time one of the 24vac solenoid valve outputs are activated on the OAC-24v.

Summary: Some customers use a single large water pump and multiple watering solenoids (watering zones) to pump water to their plants. Now the Aqua-X will automatically “link” those two things together with no additional programming or set-up required. Simply follow the instructions below to control (6) 24vac solenoids automatically “linked” to a common water pump.

***NOTE:** Up to (5) OAC-24v can be “linked” to a single water pump for a total of (30) separate irrigation channels.

- 1) You will need a DSP-1 program module or a DSD-1 dry-contact module to operate the water pump. The DSP-1 can control pumps up to about 8 amps @ 120volt. Larger pumps can be controlled using the DSD-1 (The DSD-1 will have to be wired to a pump relay / contactor).
- 2) You will also need an OAC-24v module to connect up to (6) 24vac irrigation / solenoid valves.
***NOTE:** Up to (5) OAC-24v can be “linked” to a single water pump for a total of (30) separate irrigation channels.
- 3) First connect the OAC-24v to the Aqua-X on the 24V devices line using the TrolMaster RJ-12 cable. Press the “address” button on the OAC-24v to address the module. It will now be the 24V “A” module. If you are adding more than one OAC-24v, those will be addressed as B, C, D, and E.
- 4) Using the TrolMaster cables & splitters, connect the DSP-1 (or the DSD-1) to the same 24V devices line that the OC-24v modules are connected. Press the “address” button on the DSP-1 to address this module and “link” it to the OAC-24v modules.
*** NOTE:** If using the DSD-1 to control the pump, you must first “select” the DSD-1 to work as the DSP-1 would. So make sure the DSD-1 is set to the DSP “mode”.
- 5) When complete, the DSP-1 or DSD-1 “linked” to the OAC-24v module will turn ON when ANY of the 6 solenoids (outputs) on the OAC-24v are activated by the timer settings that control each of the OAC-24v functions. Each time a solenoid is activated, the water pump will also operate at the same time automatically.
*** NOTE:** Refer to the Aqua-X instructions on how to set the timers that the OAC-24v module uses to control the irrigation solenoids.

If you are still having problems, call TrolMaster Tech Support @ 877-420-9876

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