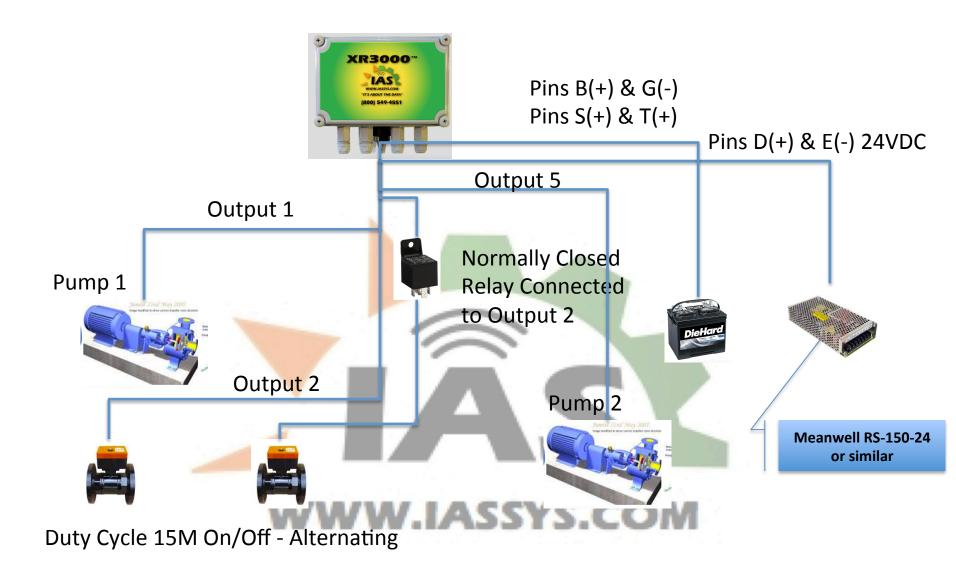
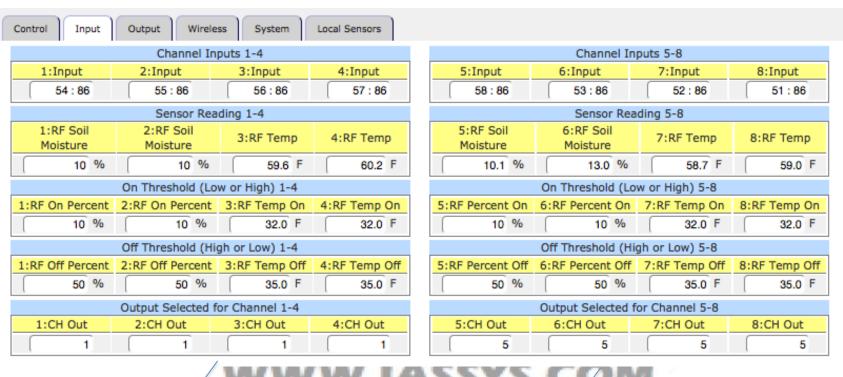
Configuring XR3000 to Start 2 Electric Pumps

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In this example, the XR3000 is setup to start 2 individual electric pumps. Pump 1 is setup to run parallel valves which alternate on/off in an interlocked fashion. Pump 2 is just run on/off to the field. The 12V Deep Cycle battery is charged by the XR3000 and used to switch the relay Outputs.

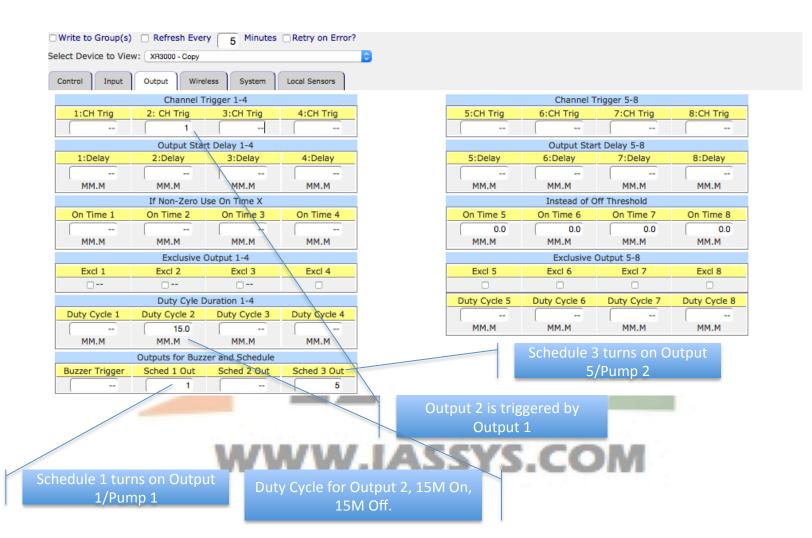
Example of 2 Electric Pumps on 1 XR3000 Temperature and Soil Moisture Start



MMM'IY22A2'COW

Pump 1 Starts via
Output 1

Pump 2 Starts via
Output 5



Wiring Guide Deutsch HDP26-24-21SE

Pin Letter	Color	Description
В	Red	External 12V Battery (+) If Present (Charged by XR3000)
D	Red	24VDC Supply (+)
E	Black	24VDC Supply (-)
G	Black	External 12V Battery (-) If Present (Charged by XR3000)
Н	Green	Relay 1 NO Output
J	Blue	Relay 2 NO Output
K	Purple	Relay 3 NO Output
L	Gray	Relay 4 NO Output
M	White	Relay 5 NO Output
N	Beige	Relay 6 NO Output
Р	Pink	Relay 7 NO Output
R	Yellow	Relay 8 NO Output
S	Red/Green	Relay 1 Supply – will be switched to Output 1
Т	Red/White	Relay 2-8 Supply – will be switched to Outputs 2-8

Example Wiring Instructions – for 24VAC Driven Irrigation System

- Connect Pins B,D, 19-24VDC at least 3 Amps.
 - Pin D supplies the controller and keeps the internal batteries charged.
 - Pin B would normally be connected to an external battery, but also powers the primary side of the internal Relays.
- Connect Pins E,G, S and T to Supply Ground
 - S and T will be used as supply on the Secondary of the internal relays to switch AC relays for each Motor Starter or Valve.
 - Assuming that a DC controlled AC relay is being used for each AC circuit, chain DC power to each AC relay, and wire each output (Pins H thru R) to the GND on the primary side of each AC relay. Wire the AC path thru the AC relay using the NO contacts. Then when any of the internal relay closes, the Secondary will ground the AC relay and allow the 24VAC to flow to the Motor Starter or Valve.