

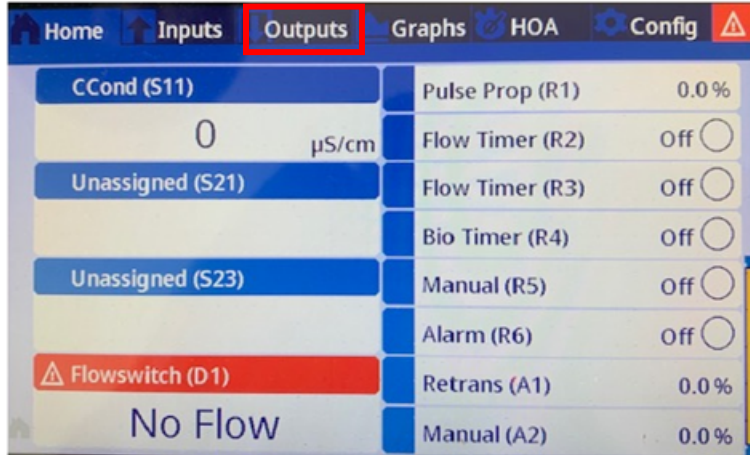
## Intuition-6 Controller Relay Interlocks

There are several different types of interlocks that can be programmed into the controller. This document discusses using the Interlock Channel field in the Relay menu, specifically, enabling one relay to interlock another relay.

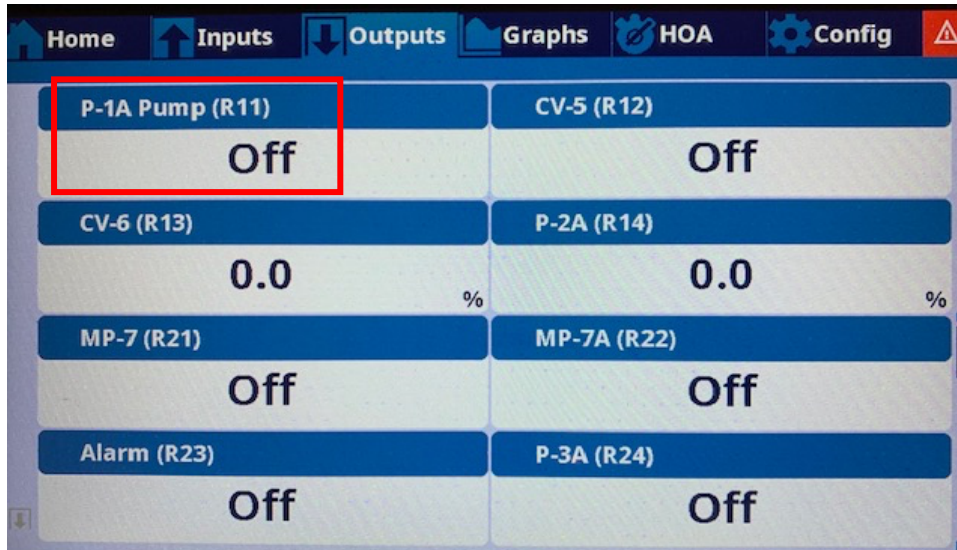
### Intuition-6 Controllers

To navigate to the Relay Interlock menu, please follow the screen shots below.

Intuition-6: Go to Outputs.

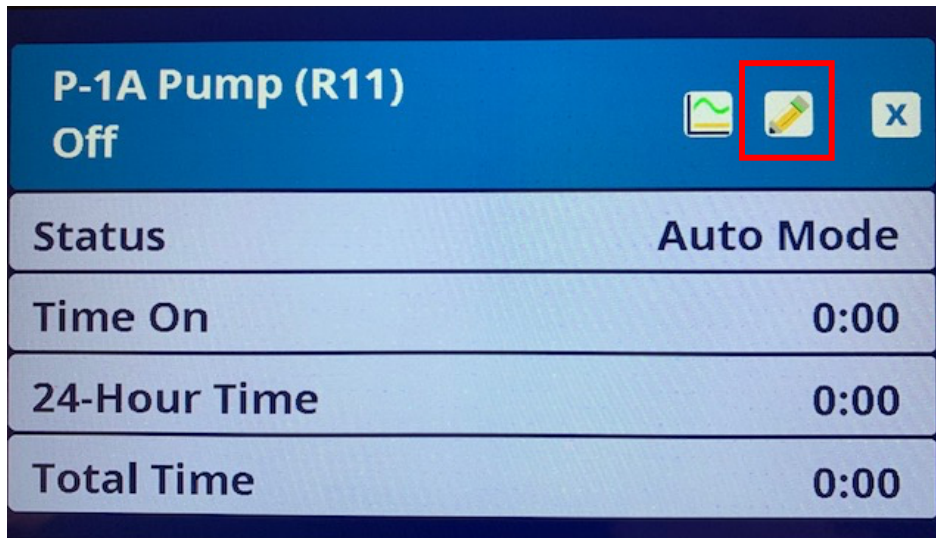


Select the Relay, R1.



## Intuition-6 Controller Relay Interlocks

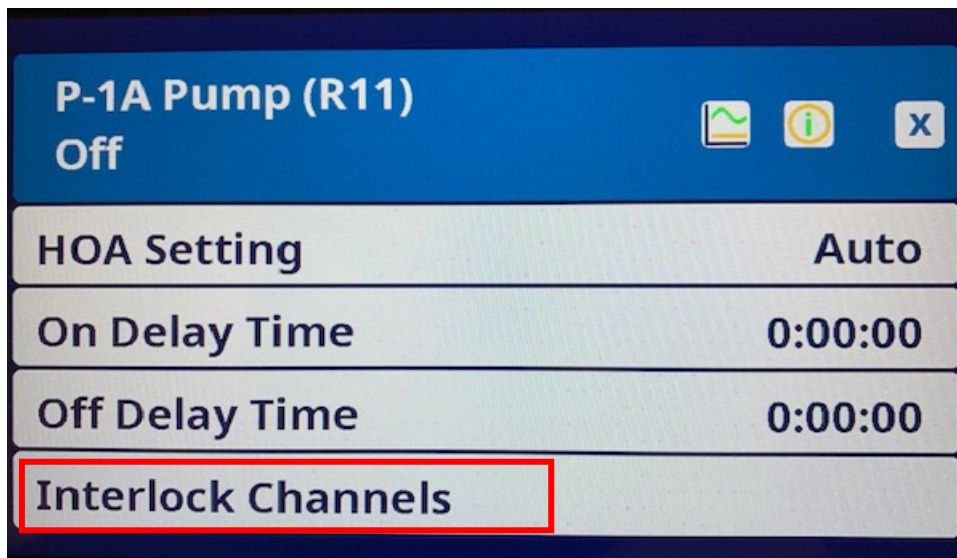
Go to Settings.



**P-1A Pump (R11)**  
Off

Status	Auto Mode
Time On	0:00
24-Hour Time	0:00
Total Time	0:00

Go to Interlock Channels.



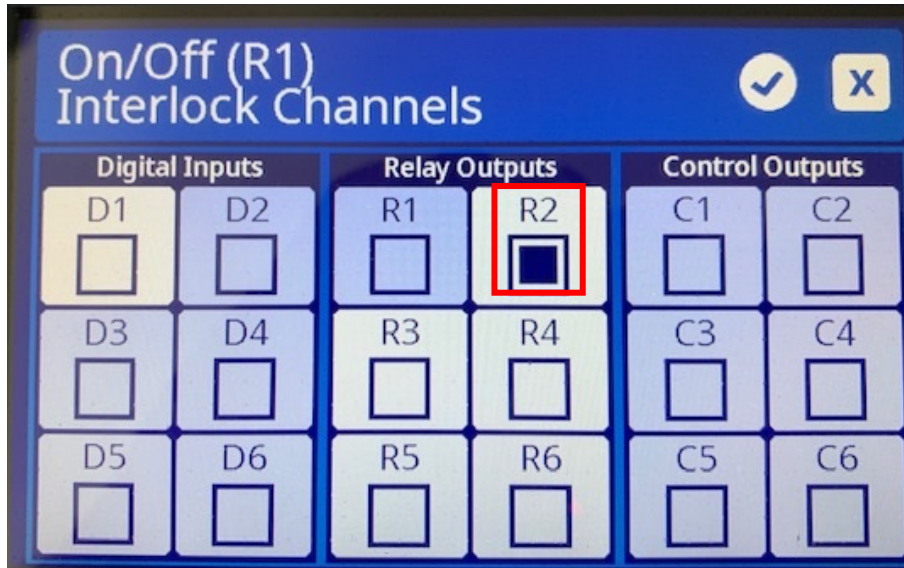
**P-1A Pump (R11)**  
Off

HOA Setting	Auto
On Delay Time	0:00:00
Off Delay Time	0:00:00
<b>Interlock Channels</b>	

Press on the Interlock Channels field (shown above).

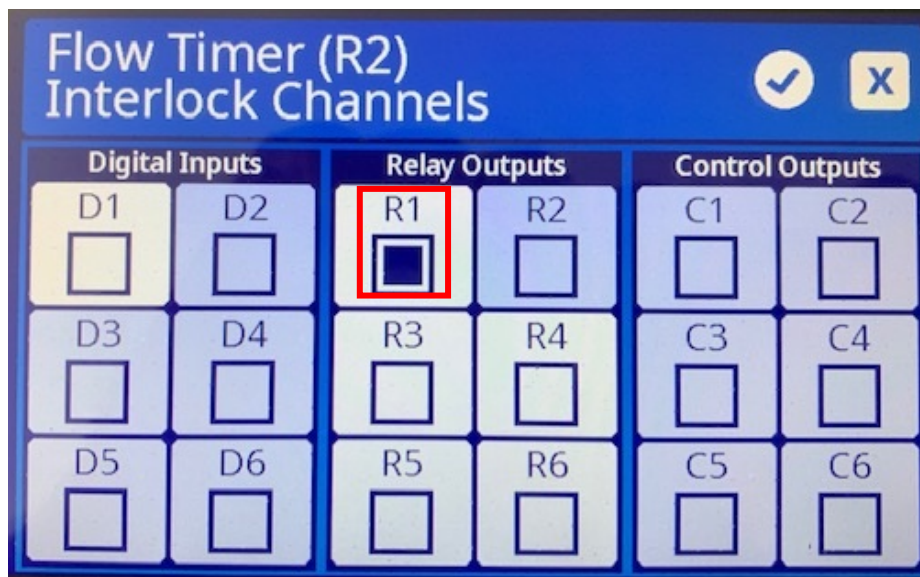
## Intuition-6 Controller Relay Interlocks

**Outputs/R1/Settings/Interlock Channels** and press on R2 (shown below), and you will see this screen:



In this example, you've programmed the R1 relay such that if R2 activates, R1 will be interlocked. If R1 is On when R2 activates, R1 will immediately shut Off. If R1 is Off when R2 activates, R1 will not be able to activate until R2 deactivates. This is referred to as Permissive Interlock.

Now keeping the above programming in R1 menu, let's say you go to Relay2 menu, **Outputs/R2/Settings/Interlock Channels** and press on R1, as shown in the screen shot below.



Since the R1 menu has Interlock Channels R2, and the R2 menu has Interlock Channels R1, whichever relay activates first will prevent the other relay from activating. This is referred to as Mutual Interlock.