

Modules Config

1. Relays

a. GPIOs

- Use the micro-controller pins.

b. PCA9555 8 relays

- Use 8 relay module.

c. PCA9555 16 relays

- Use 16 relay module.

d. MCP23017

e. PCA9685

f. PCF8574

2. Pins

	RC 5	RC 8	RC 11	RC 12	RC 15
Controller	Nano	Nano	Teensy	Nano	ESP32
Module ID					
Sensor Count	2	2	2	1	2
Wifi Serial Port			1		
Relay Control	4	4	1	2	5
Invert Relay	TRUE	TRUE	TRUE	TRUE	TRUE
Invert Flow	TRUE	TRUE	TRUE	TRUE	TRUE
Flow 1	D2	D2	28	D3	17
Flow 2	D3	D3	29		16
Dir 1	D4	D4	37	D6	32
Dir 2	D6	D6	14		25
PWM 1	D5	D5	36	D9	33
PWM 2	D9	D9	15		26
Work Switch					
Pressure					
Relay 1	8	8	8		
2	9	9	9		
3	10	10	10		
4	11	11	11		
5	12	12	12		
6	13	13	25		
7	14	14	26		
8	15	15	27		
9	7	7			
10	6	6			
11	5	5			
12	4	4			
13	3	3			
14	2	2			
15	1	1			
16	0	0			

Relay Control	
0	no relays
1	GPIOs
2	PCA9555 8 relays
3	PCA9555 16 relays
4	MCP23017
5	PCA9685
6	PCF8574

Nano Pins	
D0	0
D1	1
D2	2
D3	3
D4	4
D5	5
D6	6
D7	7
D8	8
D9	9
D10	10
D11	11
D12	12
D13	13
A0	14
A1	15
A2	16
A3	17
A4	18
A5	19
A6	20
A7	21