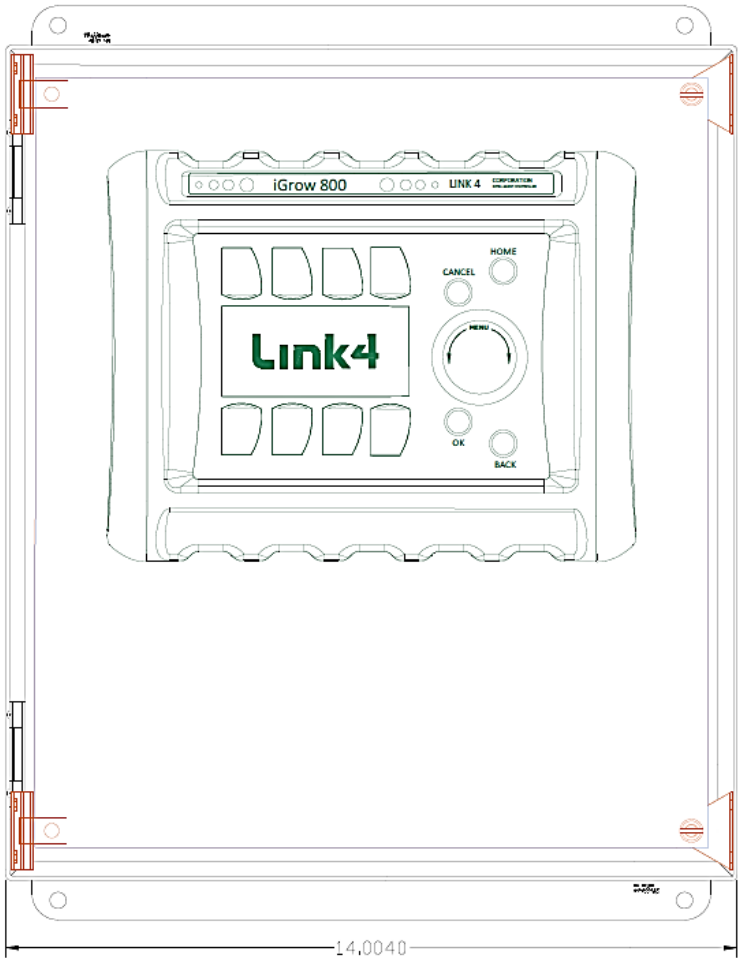
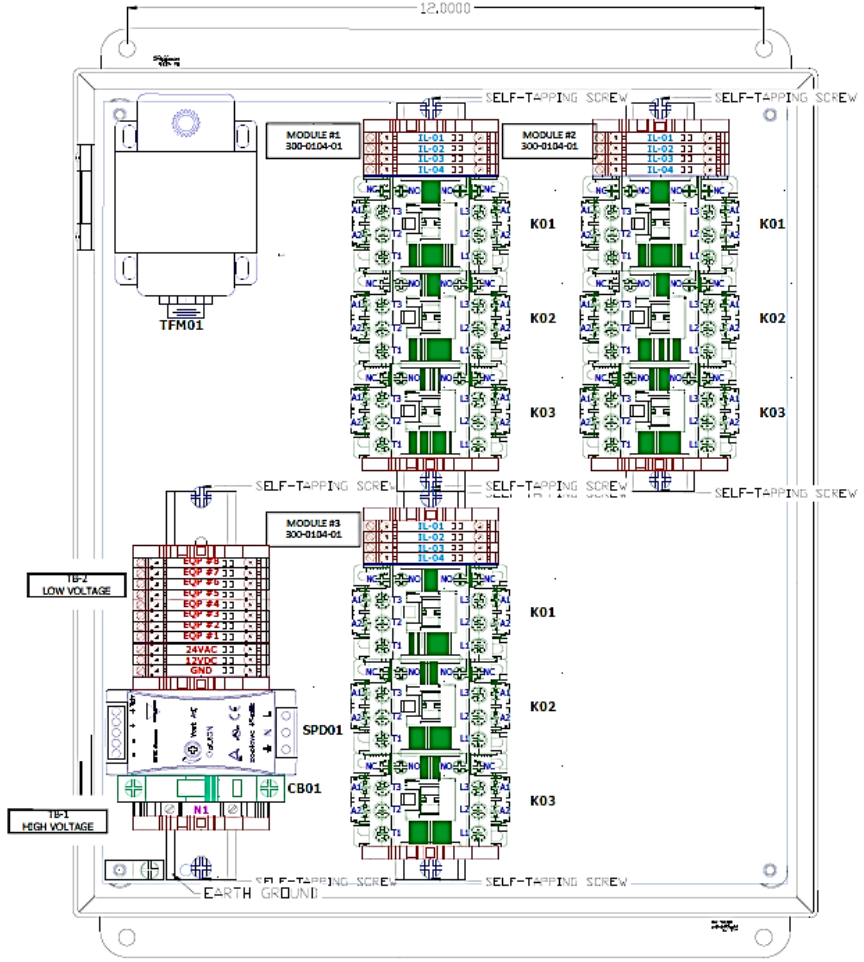
Link 4 Modulated High Voltage Contactor Panel Layout Example

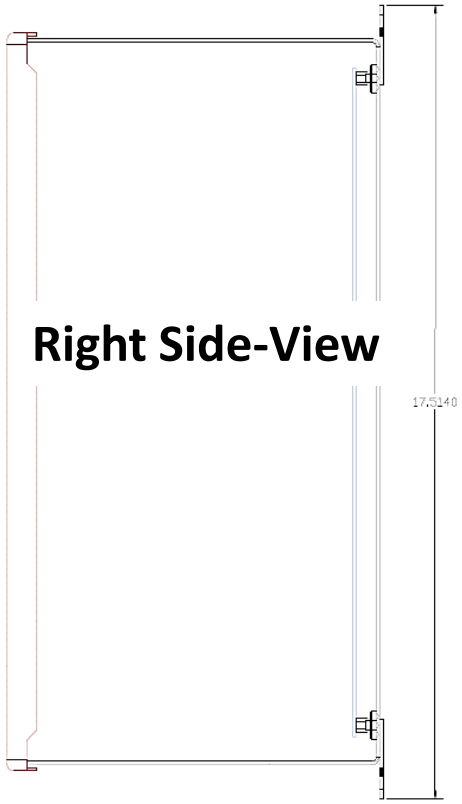
Front View-Swing Door Layout



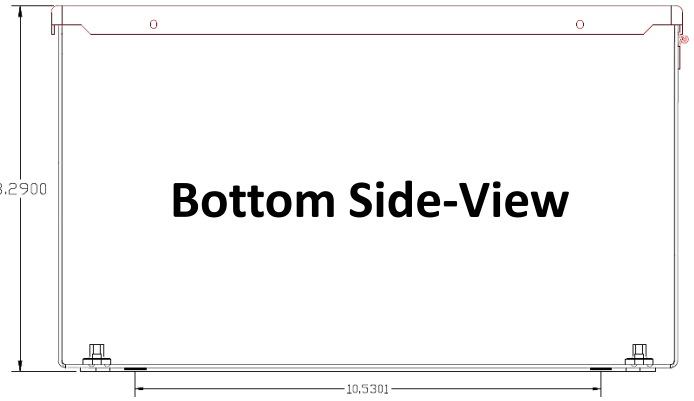
Front View-Panel Layout



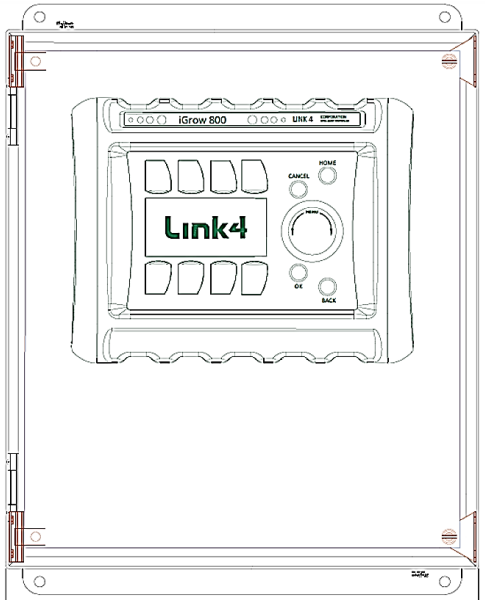
Right Side-View

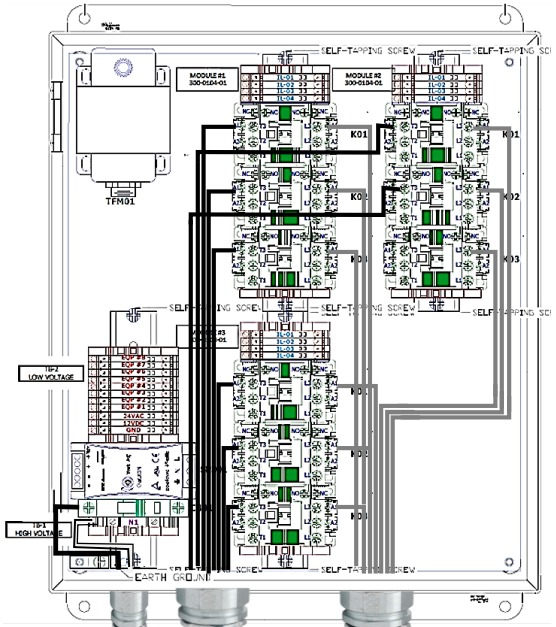


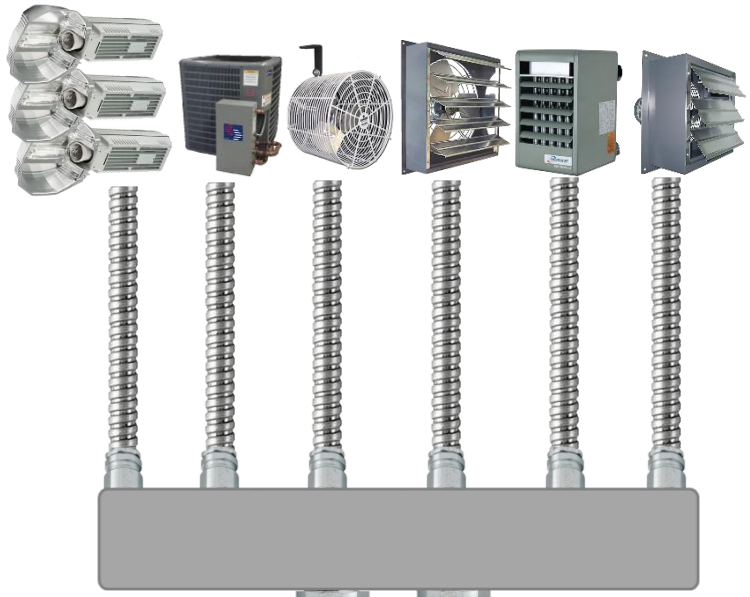
Bottom Side-View



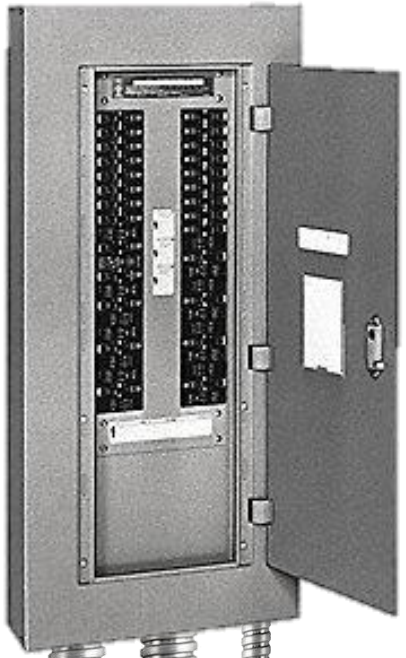
Link 4 Modulated High Voltage Contactor Panel Layout Example







UTILITY PANEL



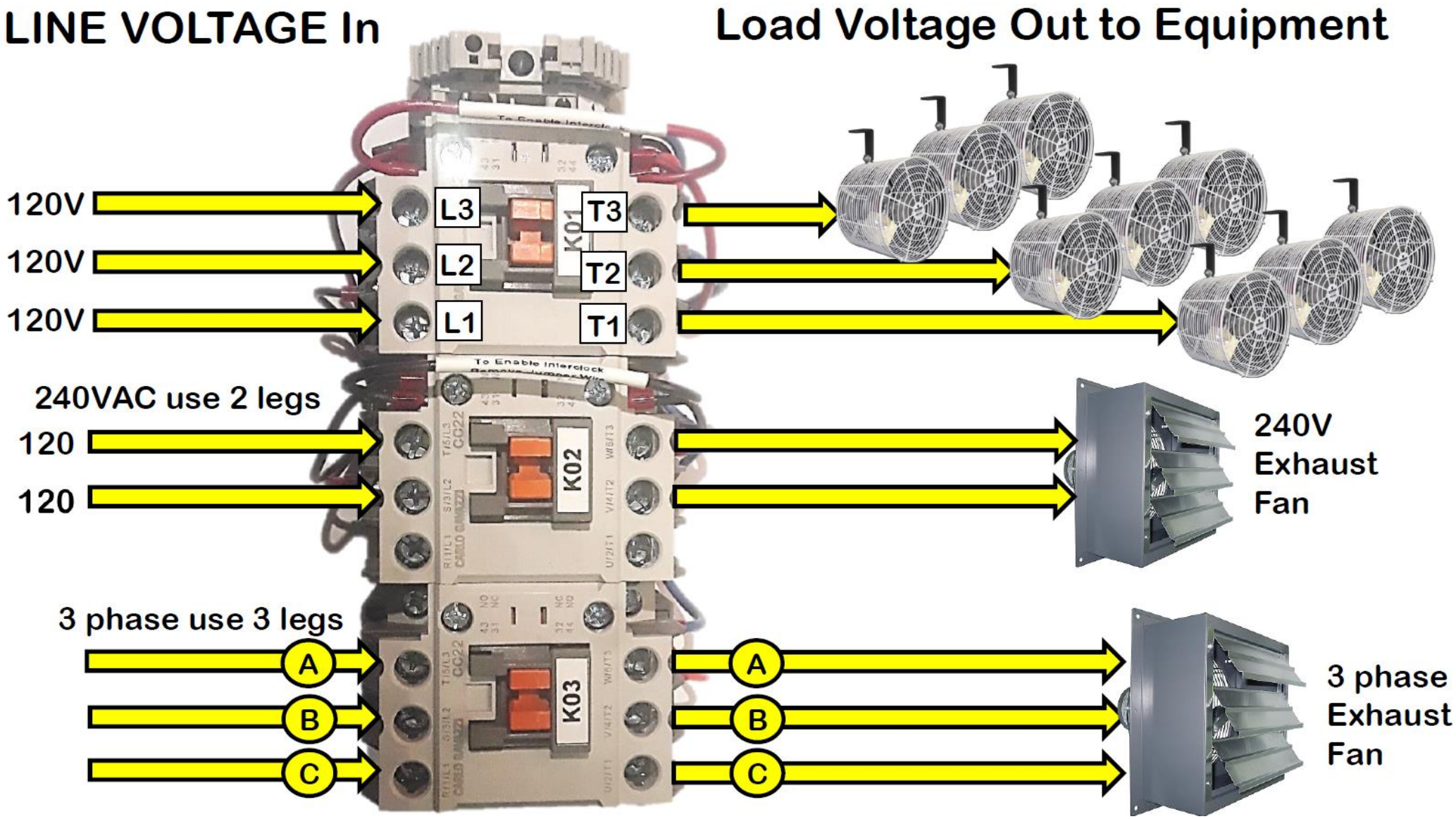
Dedicated Circuit to power iGrow 12vdc & 24vac Transformers

LOAD OUT Voltage To your equipment

Neutral from Utility Panel

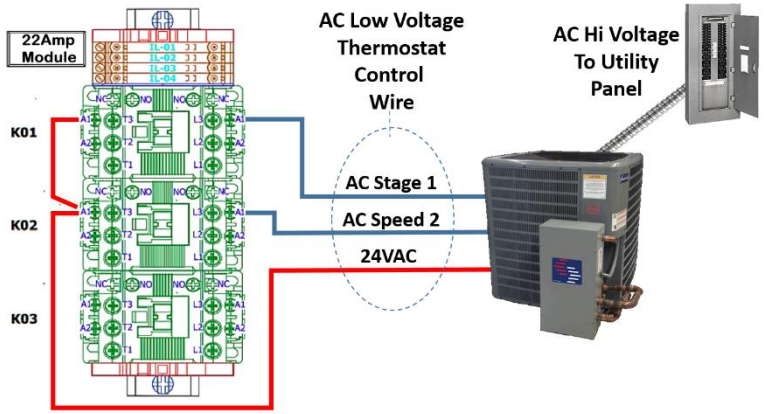
LINE IN VOLTAGE

Wiring your High Voltage Equipment to the Contactors in the Link4 Panel

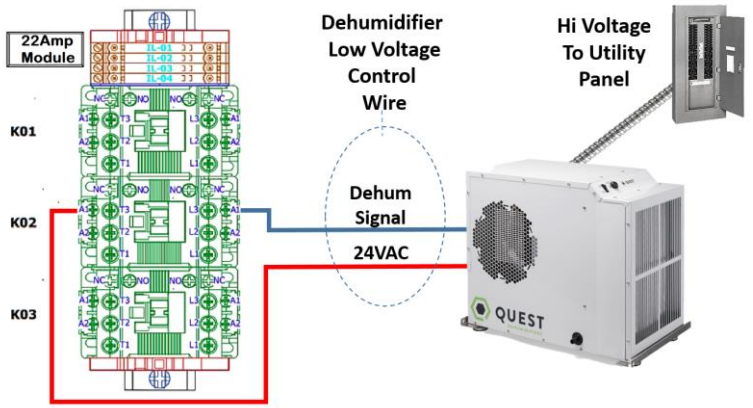


Low Voltage Control Examples using Relay Logic on a Link 4 Modulated High Voltage Contactor Panel

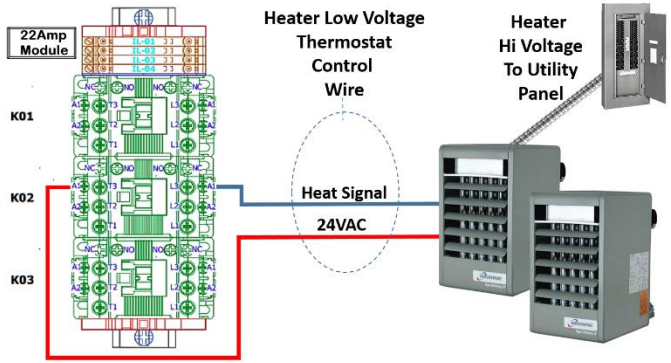
2 stage AC Control



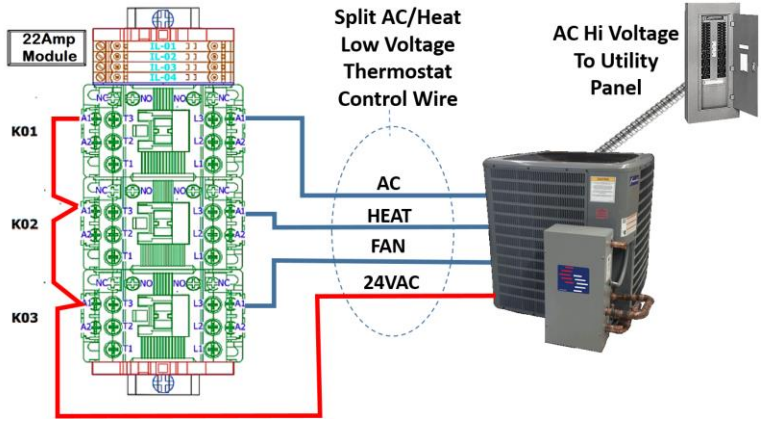
Single stage Dehumidification Control



Single stage Heat Control

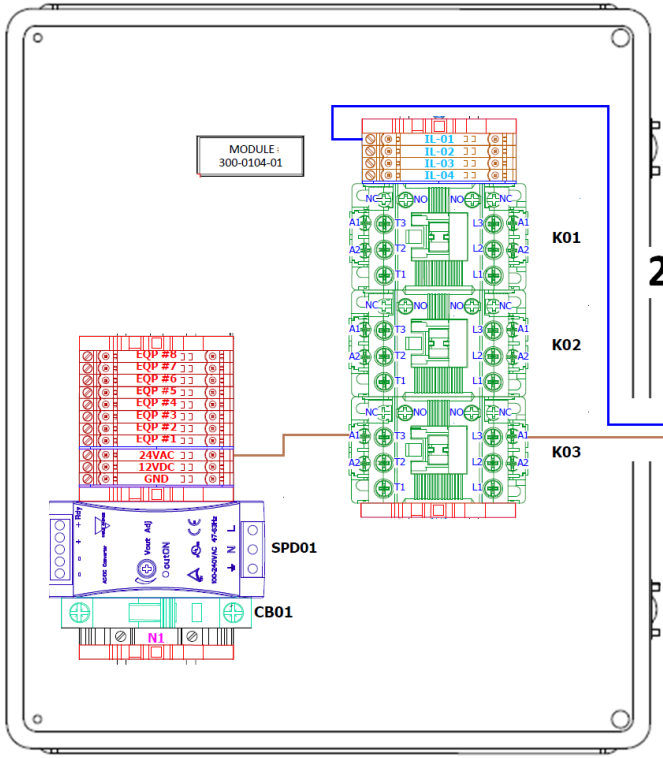


Split AC/Heater/Fan Control



Wiring Link4 Gen 13 & 14 Light Panels on a Link 4 Modulated High Voltage Contactor Panel

iGrow 800 / iGrow 1800 / iPonic
SMART-WIRED CONTACTOR PANEL



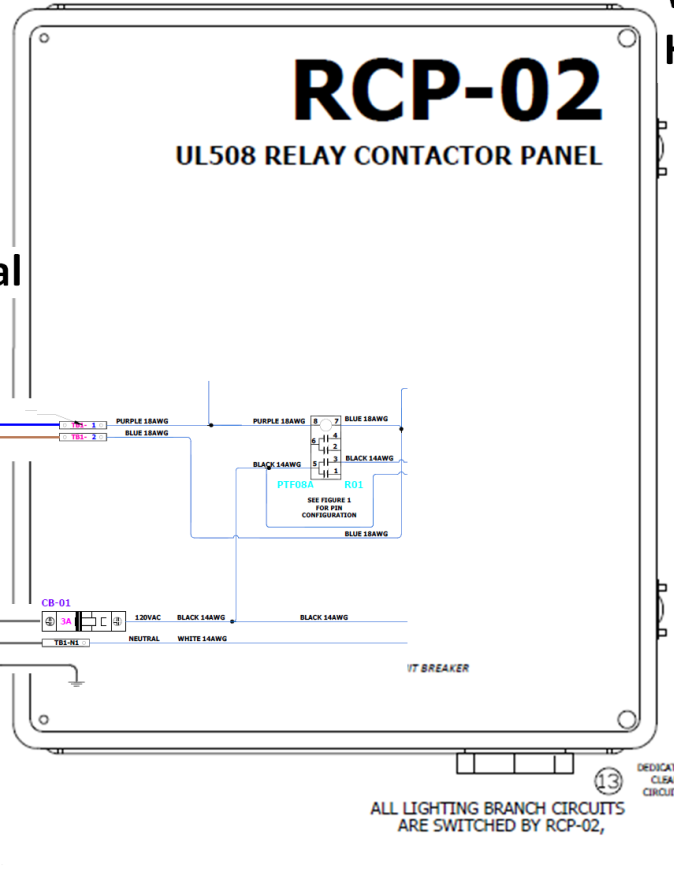
INSTALLED
BY ELECTRICAL CONTRACTOR

24vac signal

COM

24VAC

LIGHTING
CONTACTOR PANEL



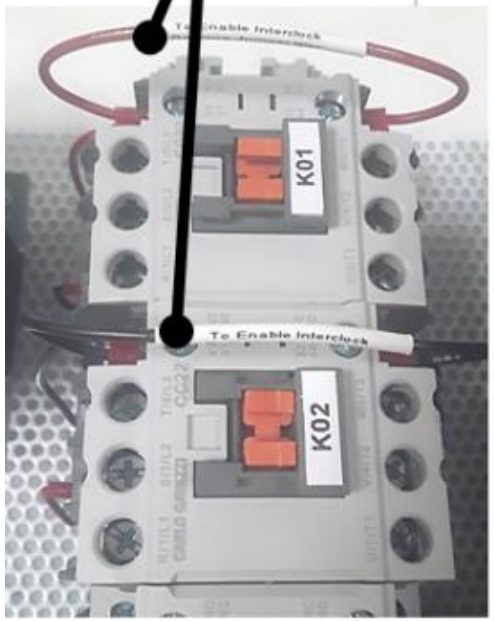
ALL LIGHTING BRANCH CIRCUITS
ARE SWITCHED BY RCP-02,

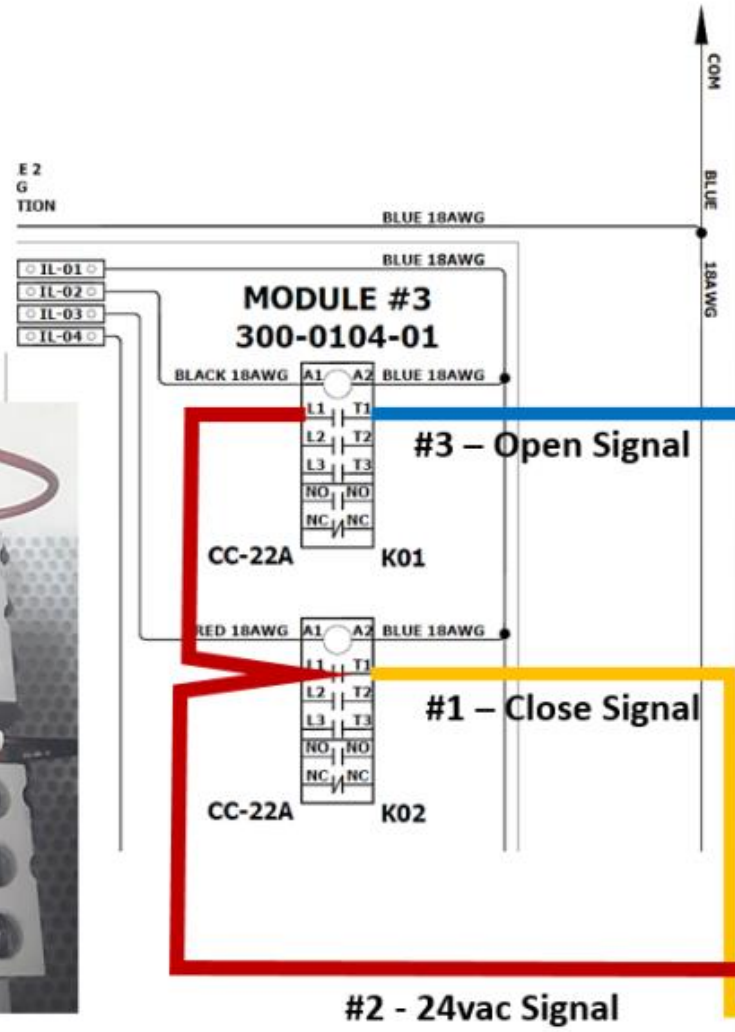
Integrating Link 4 Integrated Panel With Gen 13 or Gen 14 Light Panel How to link your 24vac signal

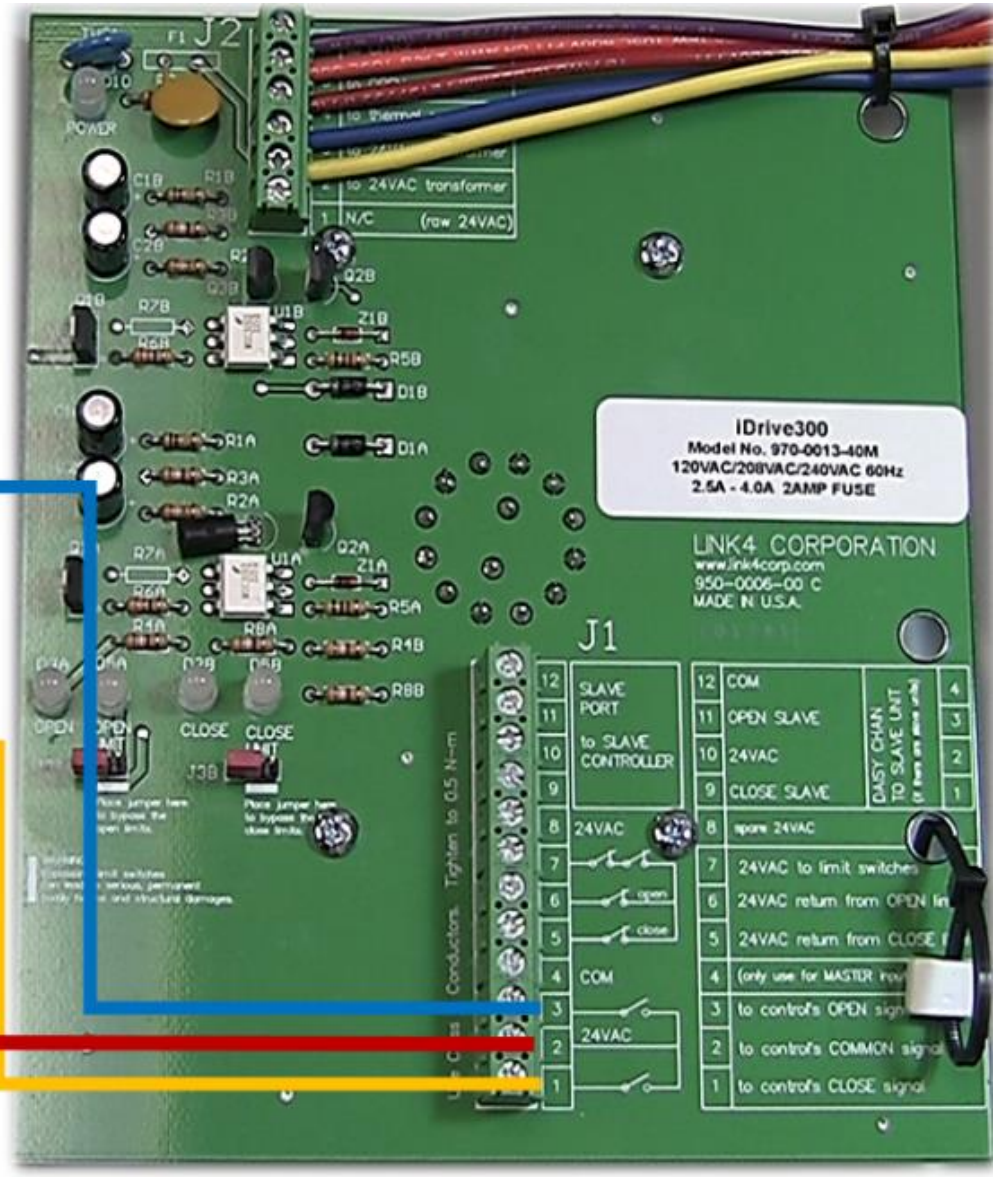
GEN 13
GEN 14

Wiring Link4 iDrive Motor Controllers on a Link 4 Modulated High Voltage Contactor Panel

After Wiring make sure you remove Interlock wires associated with K1 & K2 So the open and close never turns on simultaneously

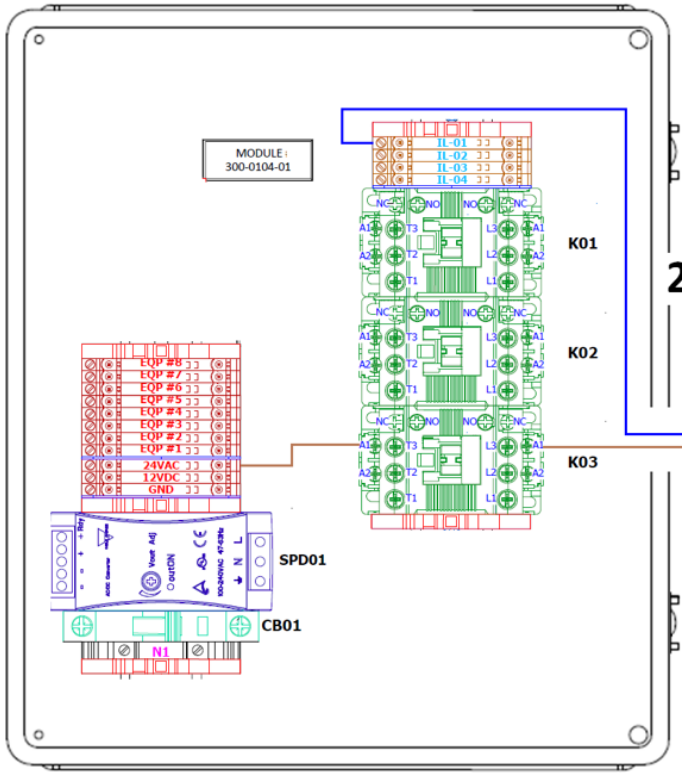


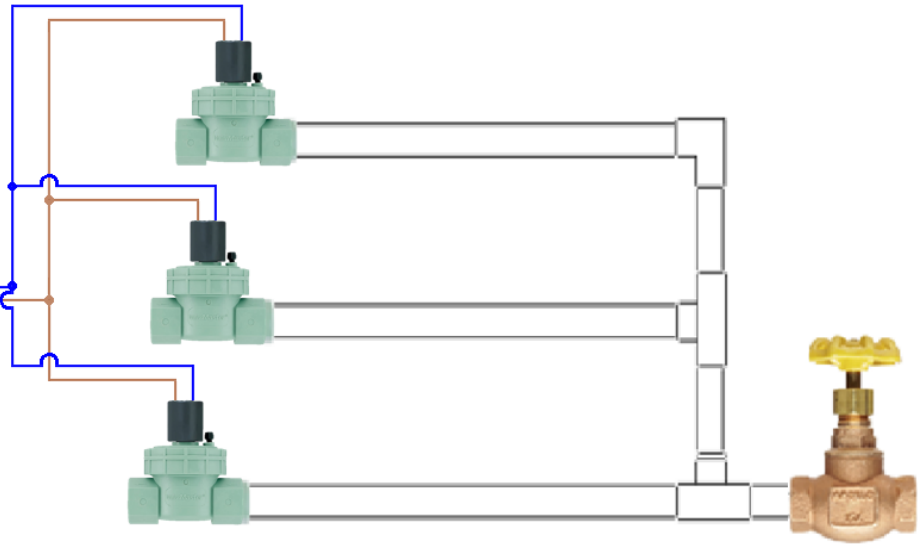




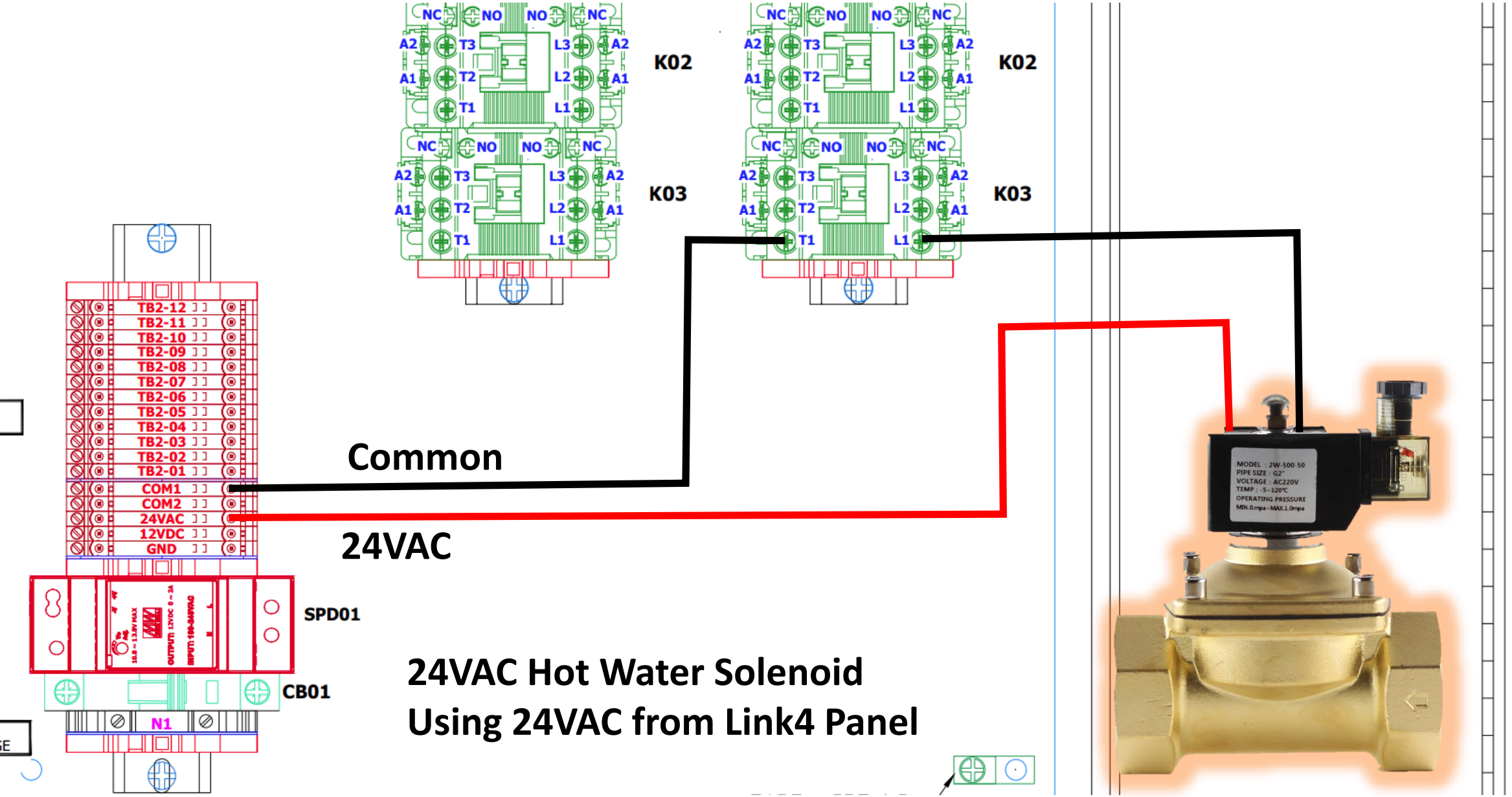
Wiring 24vac Irrigation Solenoids Using panel 24vac on a Link 4 Modulated High Voltage Contactor Panel

iGrow 800 / iGrow 1800 / iPonic
SMART-WIRED CONTACTOR PANEL

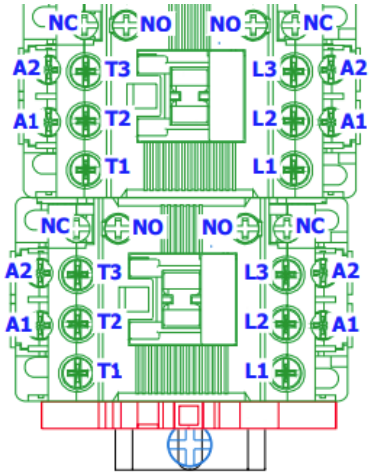




Irrigation Solenoids

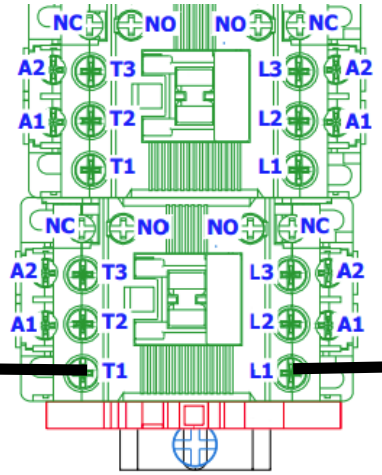


24VAC Hot Water Solenoid
Using 24VAC from Link4 Panel



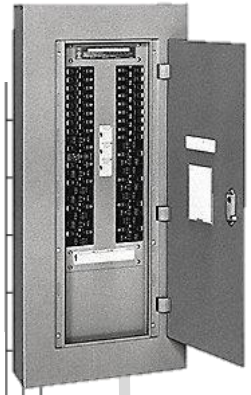
K02

K03



K02

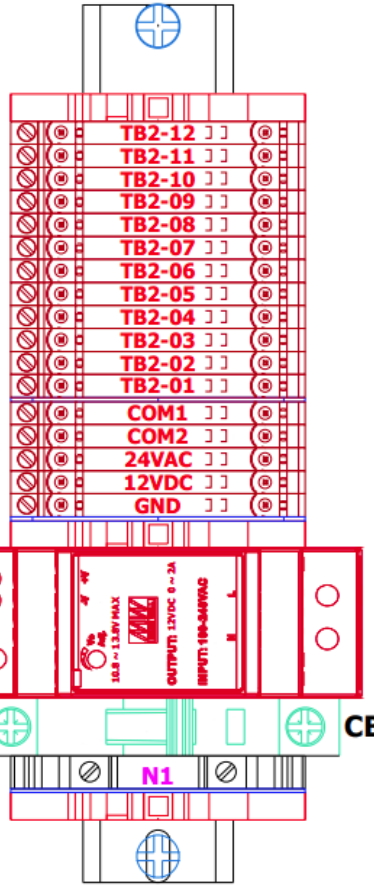
K03



Neutral

Load Out

120VAC
Line IN



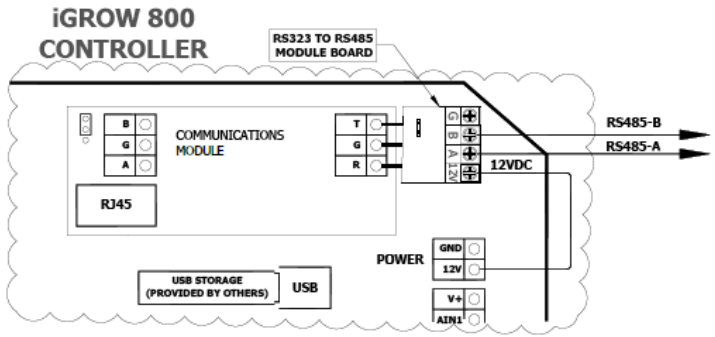
SPD01

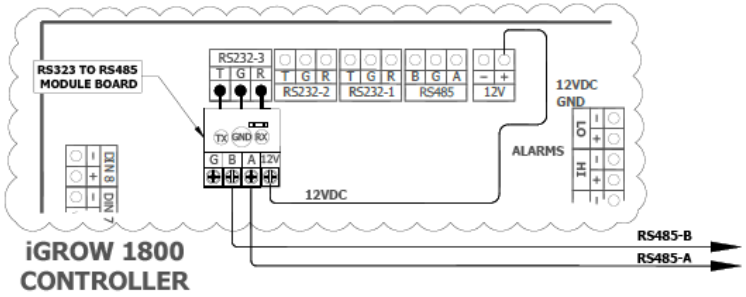
CB01

120VAC Hot Water Solenoid

You would Line and Load 120vac

Understanding how to wire your Link4
4 Output Expansion Boards

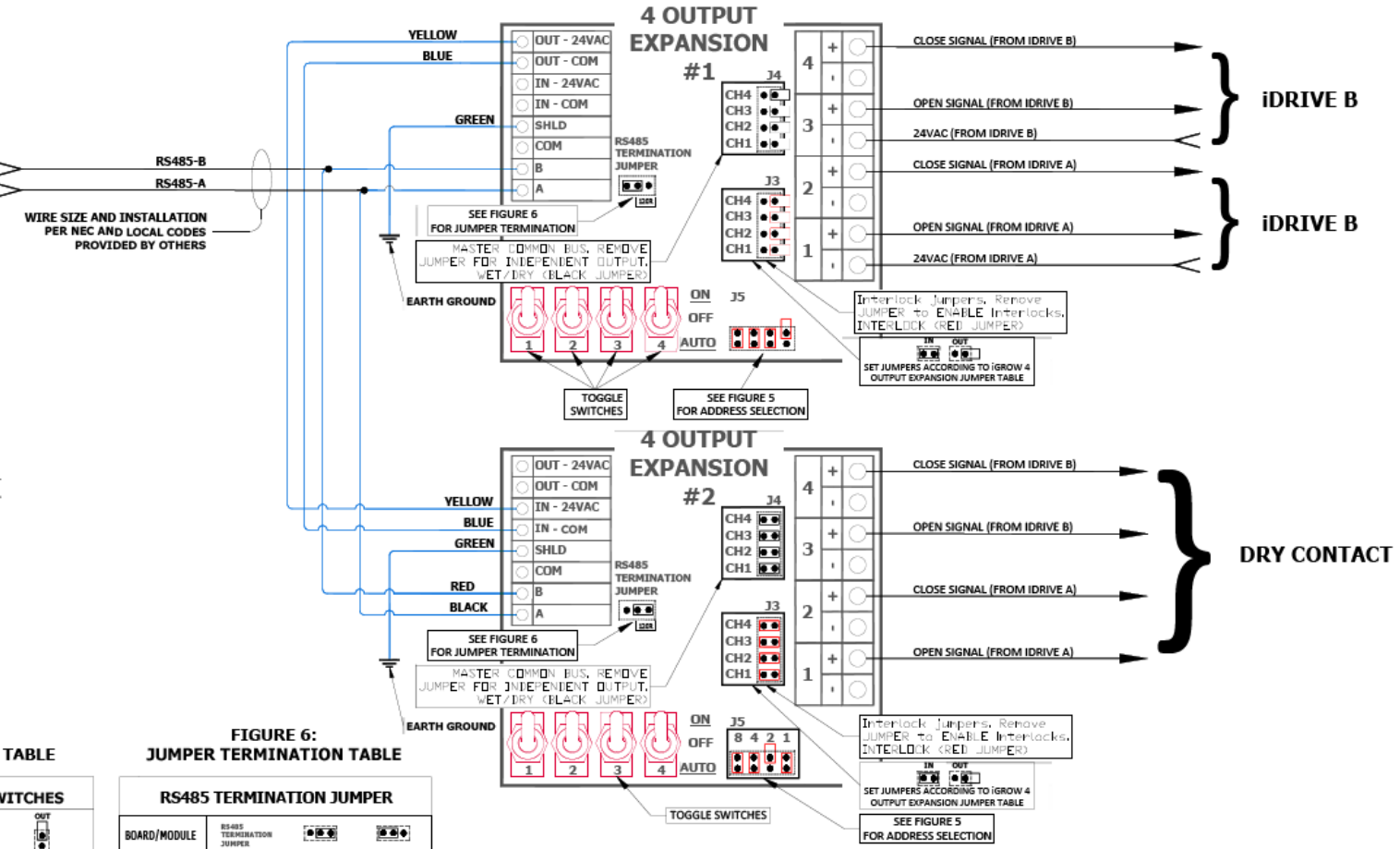




Link4 iGrow Controller
FOR WIRE COMMUNICATION TERMINATION

RS485-B
RS485-A

WIRE SIZE AND INSTALLATION
PER NEC AND LOCAL CODES
PROVIDED BY OTHERS

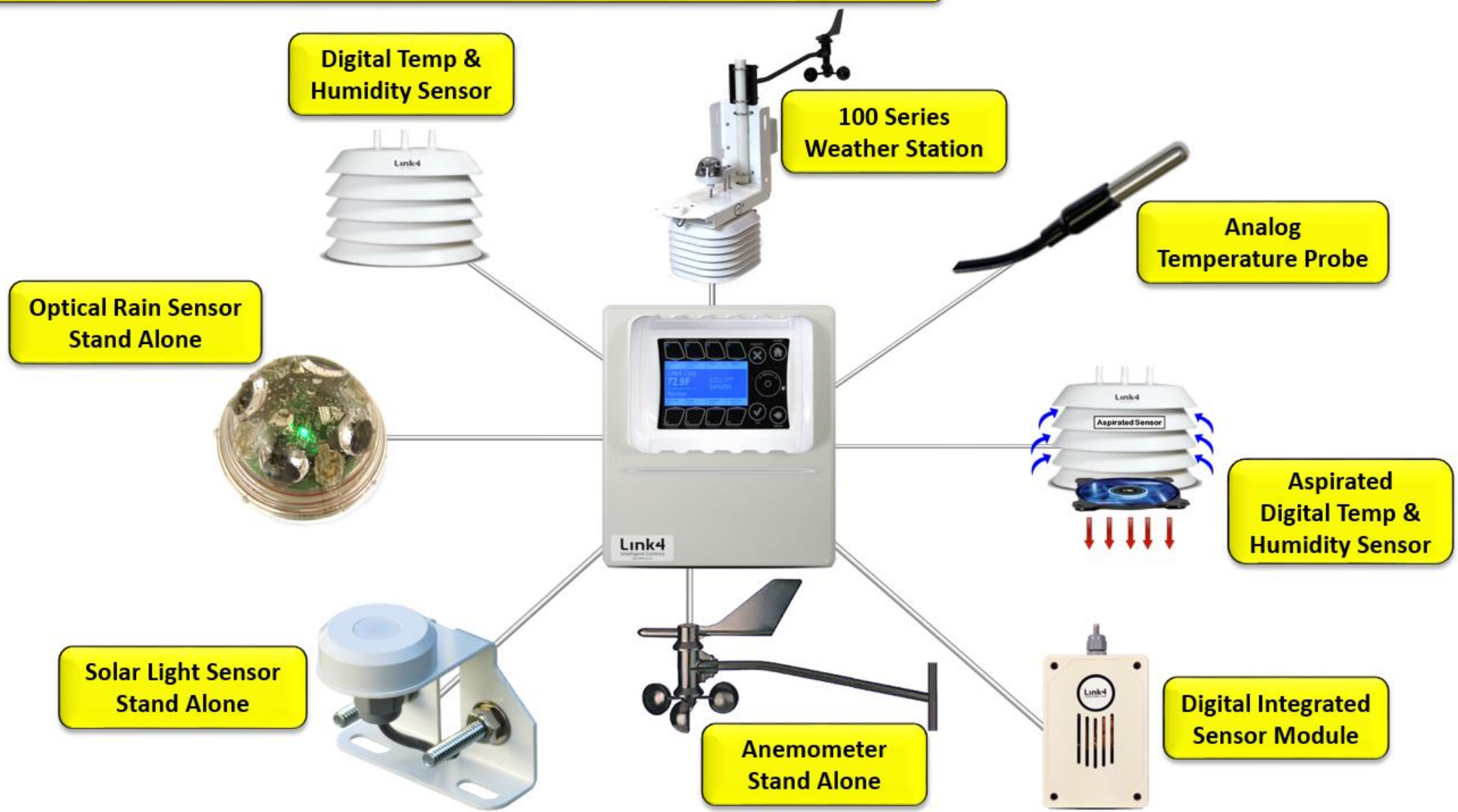


iGROW 4 OUTPUT EXPANSION #1 JUMPER TABLE				
OUTPUT	INTERLOCK JUMPER (RED)		WET/DRY JUMPER (BLACK)	
1	J3-CH1	OUT	J4-CH1	OUT
2	J3-CH2	OUT	J4-CH2	OUT
3	J3-CH3	OUT	J4-CH3	OUT
4	J3-CH4	OUT	J4-CH4	OUT
iGROW 4 OUTPUT EXPANSION #2 JUMPER TABLE				
OUTPUT	INTERLOCK JUMPER (RED)		WET/DRY JUMPER (BLACK)	
1	J3-CH1	IN	J4-CH1	IN
2	J3-CH2	IN	J4-CH2	IN
3	J3-CH3	IN	J4-CH3	IN
4	J3-CH4	IN	J4-CH4	IN

FIGURE 5:
ADDRESS SELECTION TABLE

ADDRESS SELECTION SWITCHES		
BOARD/MODULE	ADDRESS	IN / OUT (8 4 2 1)
RS485 BOARD	0	
4 OUTPUT BOARD	1	
4 OUTPUT BOARD	2	

FIGURE 6:
JUMPER TERMINATION TABLE

RS485 TERMINATION JUMPER			
BOARD/MODULE	RS485 TERMINATION JUMPER		
0	RS485 BOARD	✓	
1	4 OUTPUT BOARD		✓
2	4 OUTPUT BOARD	✓	

iGrow800 – Sensor Installation – what sensors it supports