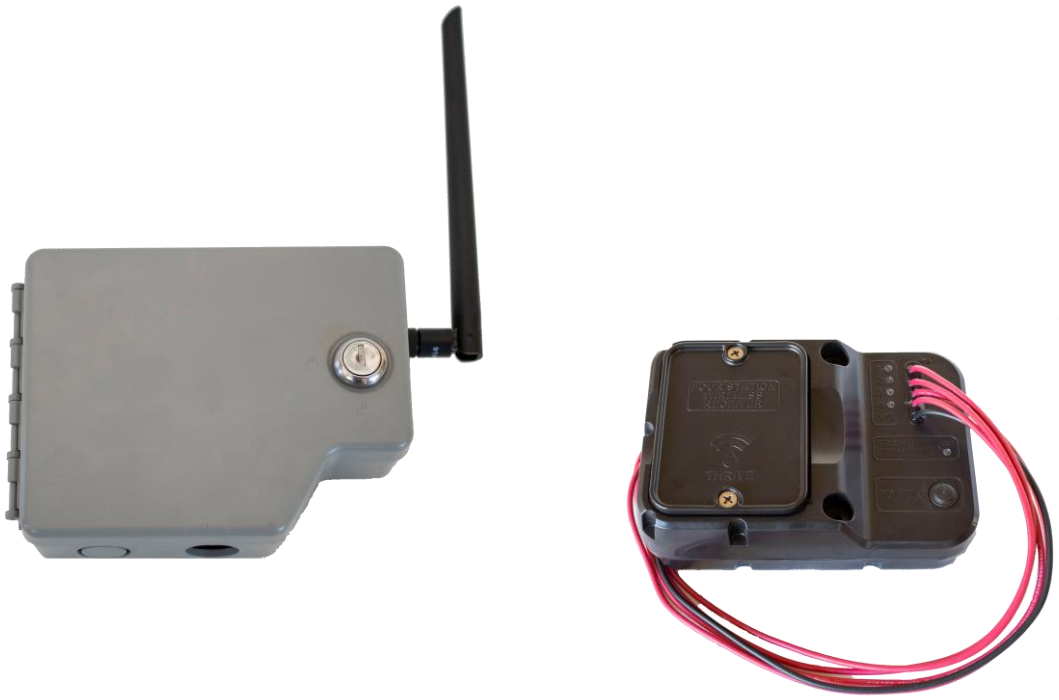
THRIVE
SMART SYSTEMS

# 24 VAC Auxiliary Power Outputs on Various Multi-wire Irrigation Controllers



980 Queens Dr. • American Fork, UT 84003 801•413•3023 www.thrivesmartsystems.com

**TABLE OF CONENTS**


**INTRODUCTION** ..... **3**

**TORO** ..... **3**

- **SENTINEL** ..... 3
- **CUSTOM COMMAND** ..... 4
- **TMC-424 SERIES** ..... 4

**IRRITROL** ..... **5**

- **RAIN DIAL-R SERIES** ..... 5
- **KD2 SERIES** ..... 5
- **TOTAL CONTROL SERIES** ..... 6
- **MC-E SERIES** ..... 6
- **RAIN MASTER EAGLE SERIES** ..... 6
- **RAIN MASTER EAGLE PLUS** ..... 7

**WEATHERTRAK** ..... **8**

- **WEATHERTRAK ET PRO 2 SERIES** ..... 8
- **WEATHERTRAK ET PRO3 SERIES** ..... 8

**HUNTER** ..... **9**

- **X-CORE SERIES CONTROLLER** ..... 9
- **PROC SERIES CONTROLLER** ..... 9
- **ICC2 SERIES** ..... 10
- **HPC SERIES CONTROLLER** ..... 10
- **PRO-HC SERIES** ..... 11
- **HCC SERIES CONTROLLER** ..... 12

**RAIN BIRD** ..... **13**

- **ESP-TM2 SERIES** ..... 13
- **ESP-LXME2 SERIES** ..... 13

**WEATHERMATIC** ..... **14**

- **PROLINE** ..... 14
- **SMARTLINK** ..... 14

**CALSENSE** ..... **15**

- CS3000 CONTROLLER SERIES ..... 15


DRAFT

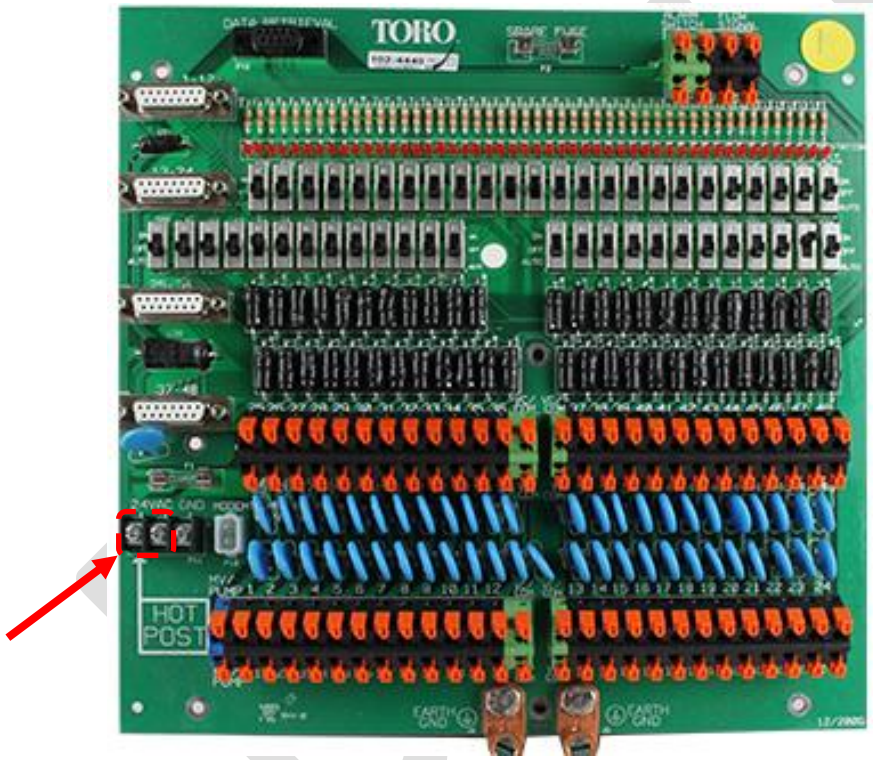
# Introduction

This document is intended to help locate the 24 VAC auxiliary power output on a new or existing multi-wire irrigation controller. This source is needed to power a Thrive EVO™ Transmitter.

If the existing or new irrigation controller does not have the feature or accessory, then a 120-volt to 24 - volt step-down transformer can be used as a suitable replacement.

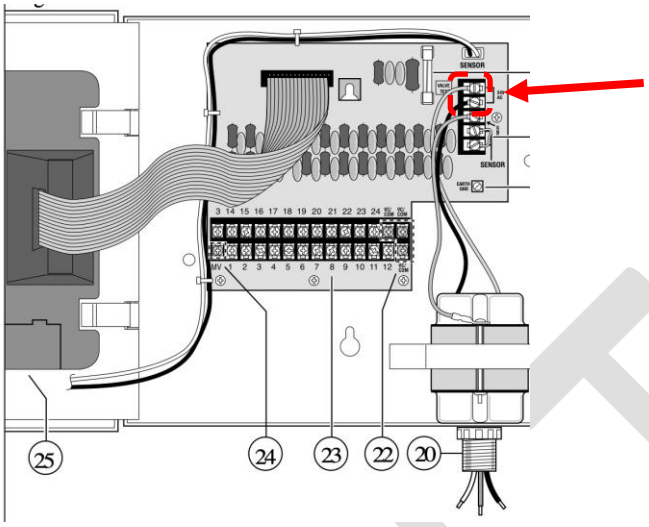
## Sentinel

The two left hand Philip-head terminal blocks outlined in a dashed red line is where the 24 VAC auxiliary power output can be located.



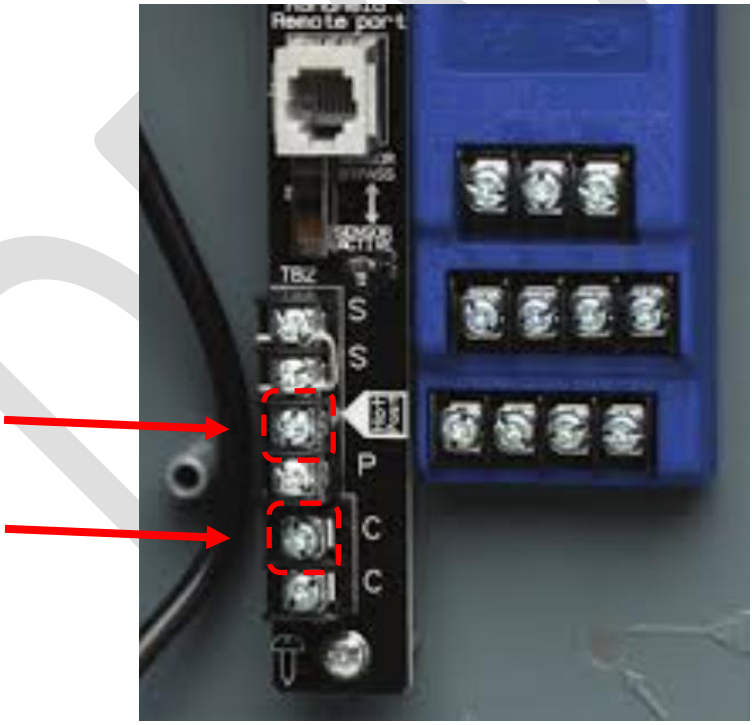
## Custom Command

The 24 VAC auxiliary power output is in the red dashed outline.




## TMC-424 Series

The 24 VAC output is circled in a dashed red outline below.

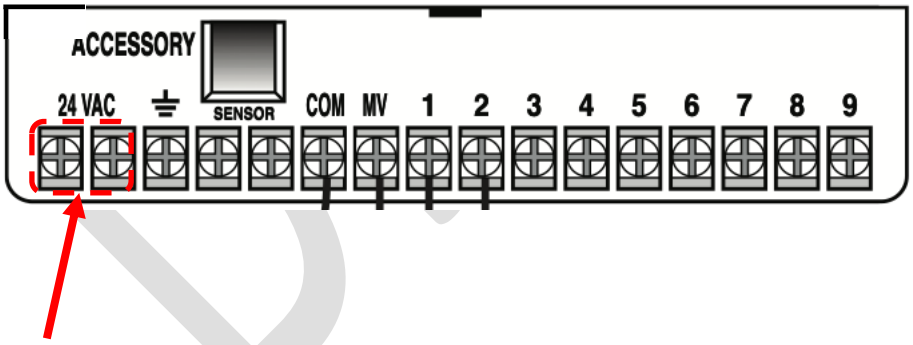



DRAFT

Rain Dial-R Series

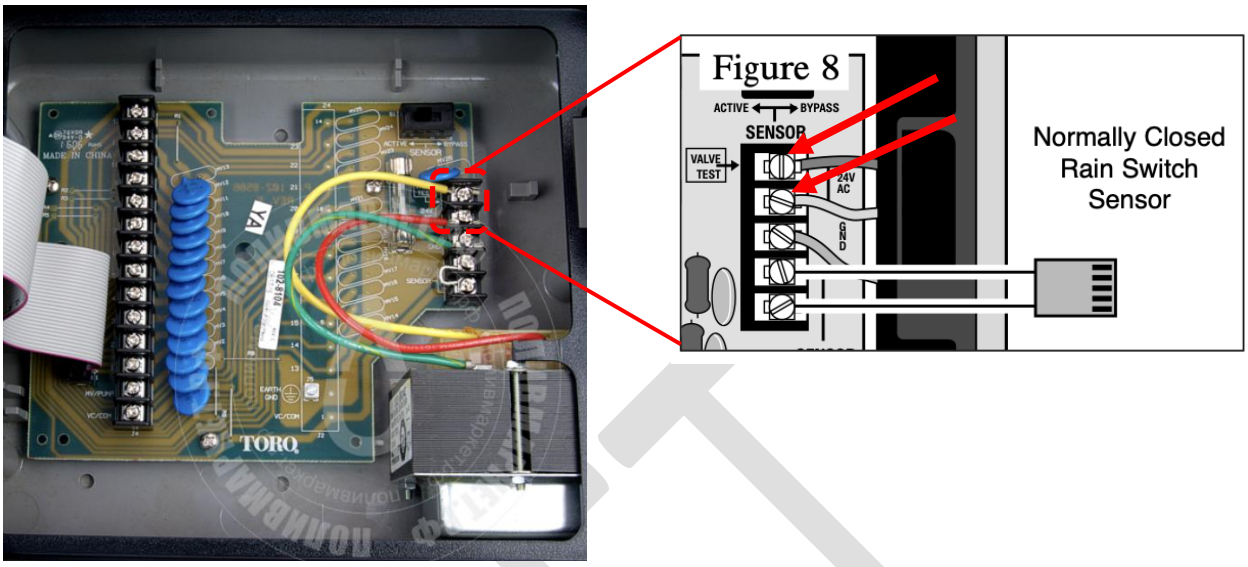



KD2 Series

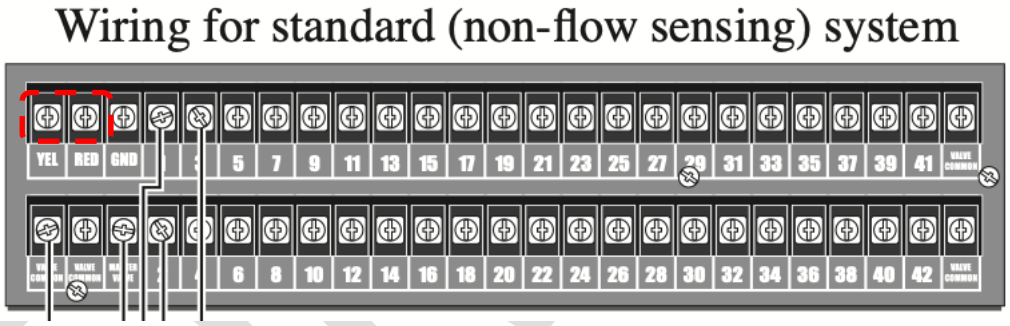



DRAFT

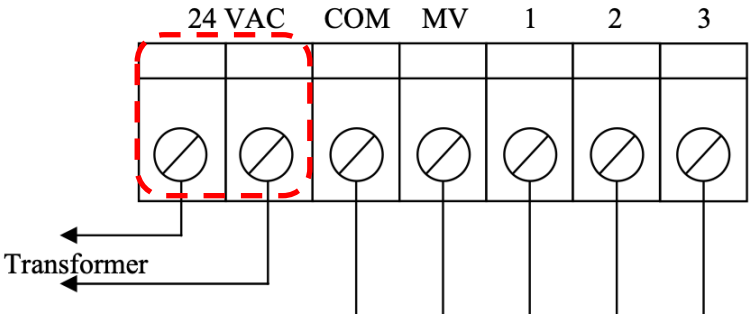
Total Control Series




MC-E Series




Rain Master Eagle Series



## Rain Master Eagle Plus

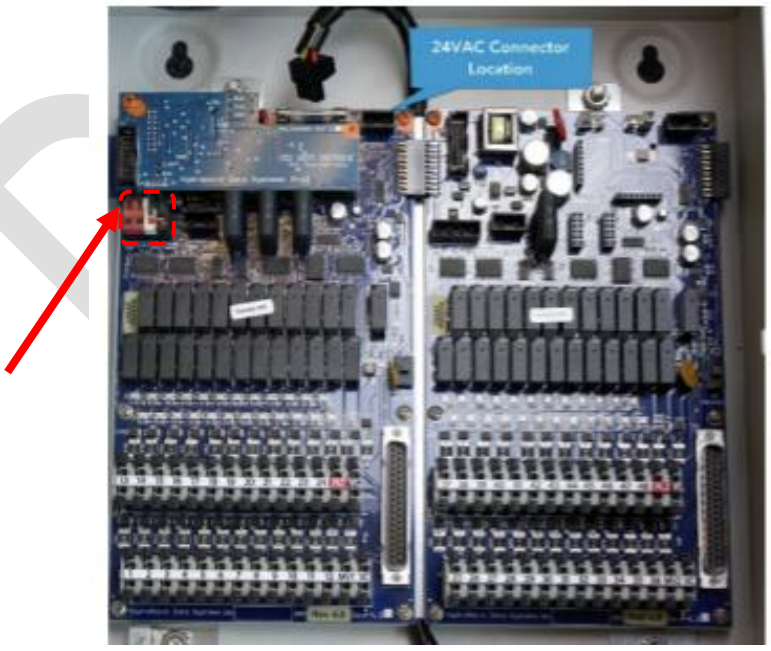
DRAFT

WeatherTRAK

## WeatherTRAK ET Pro 2 Series

## WeatherTRAK ET Pro3 Series

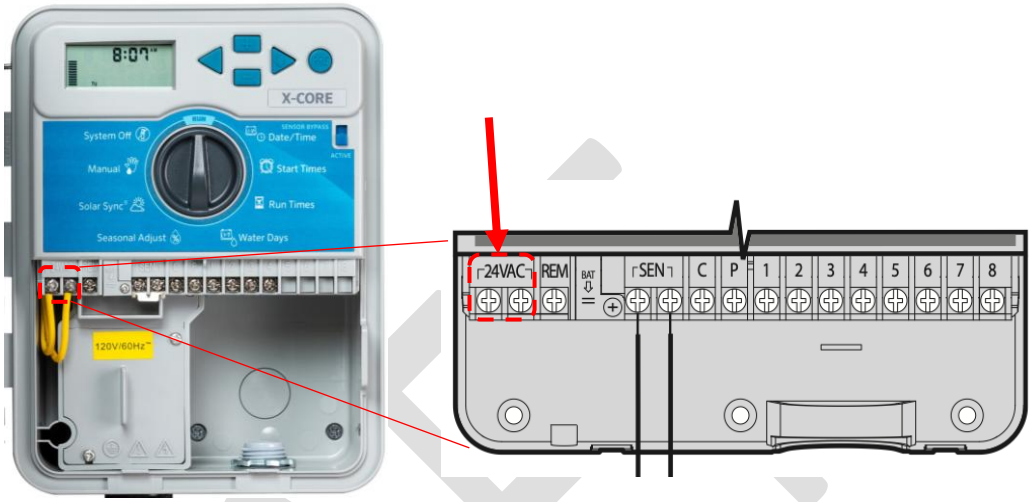
The 24 VAC output is in the upper left-hand corner of the station output PCB. You can use the two red ports, see red, dashed outlined area below.




DRAFT

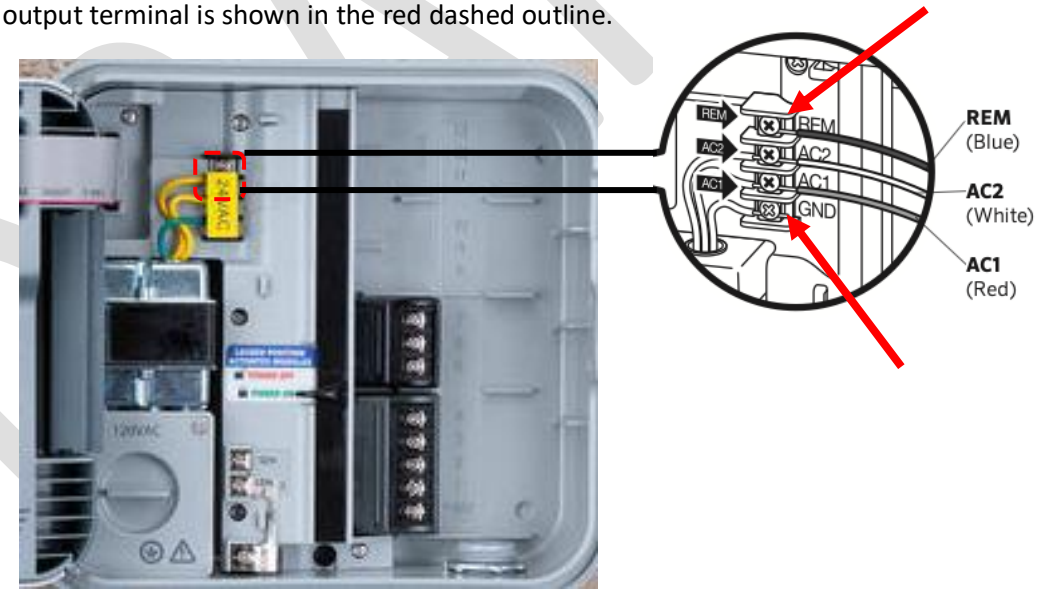
## X-Core Series Controller

The 24 VAC output is shown in red dashed outline.




## ProC Series Controller

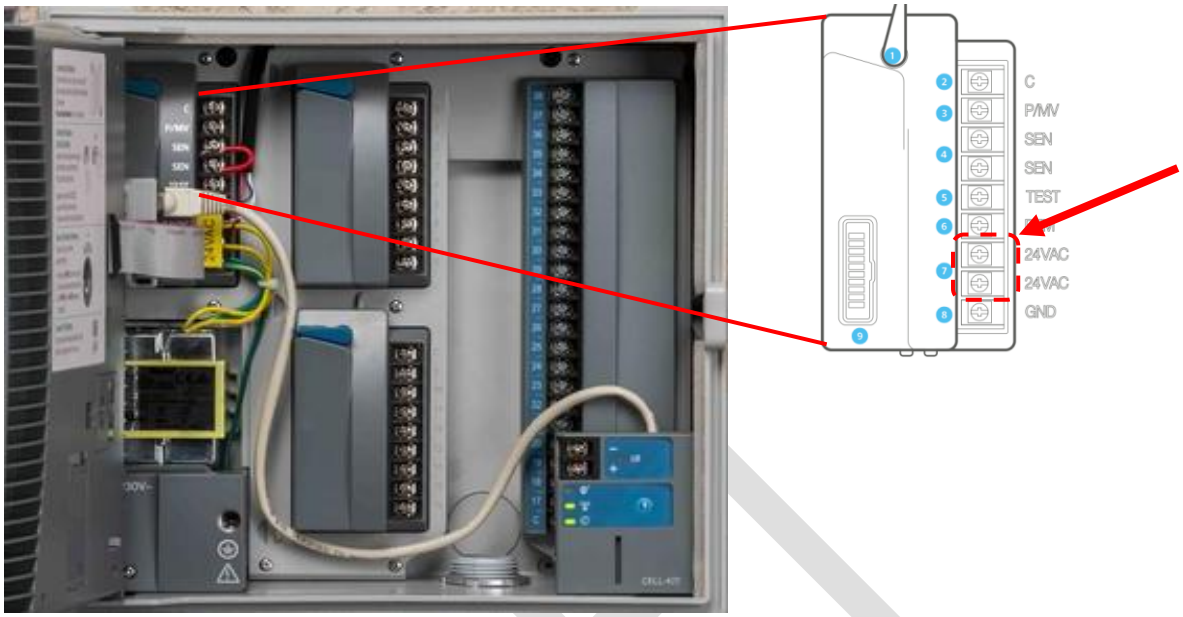
The 24 VAC output terminal is shown in the red dashed outline.




DRAFT

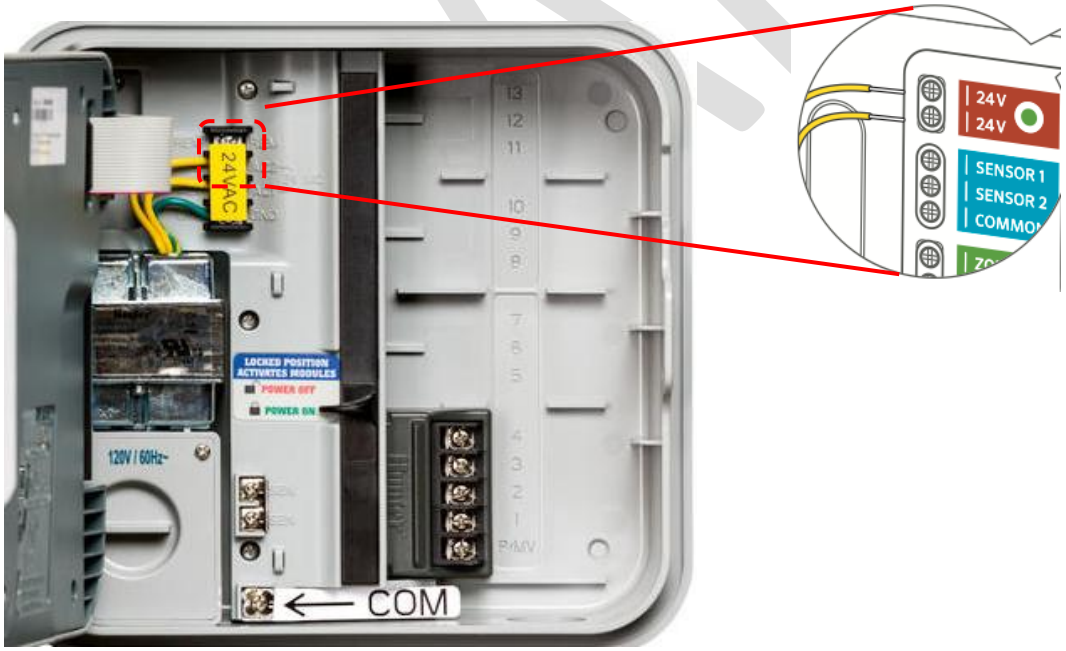
ICC2 Series

The 24 VAC output is in the red dashed outline area.



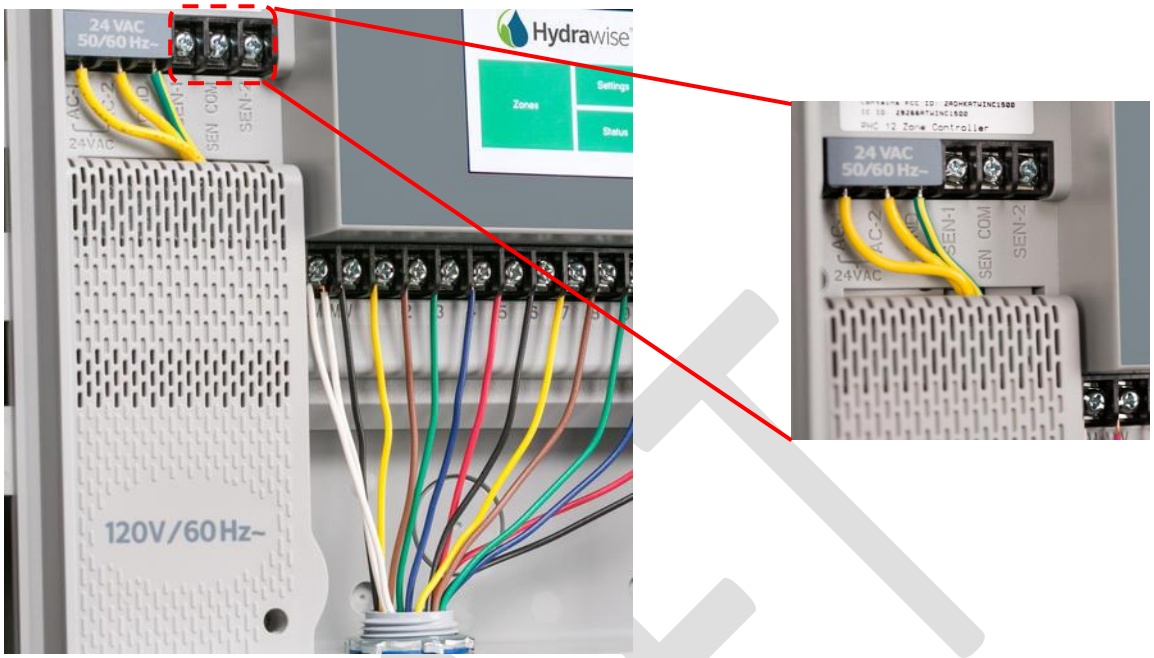

**HPC Series Controller**

The 24 VAC power output is in the red dashed outline below.



## PRO-HC Series

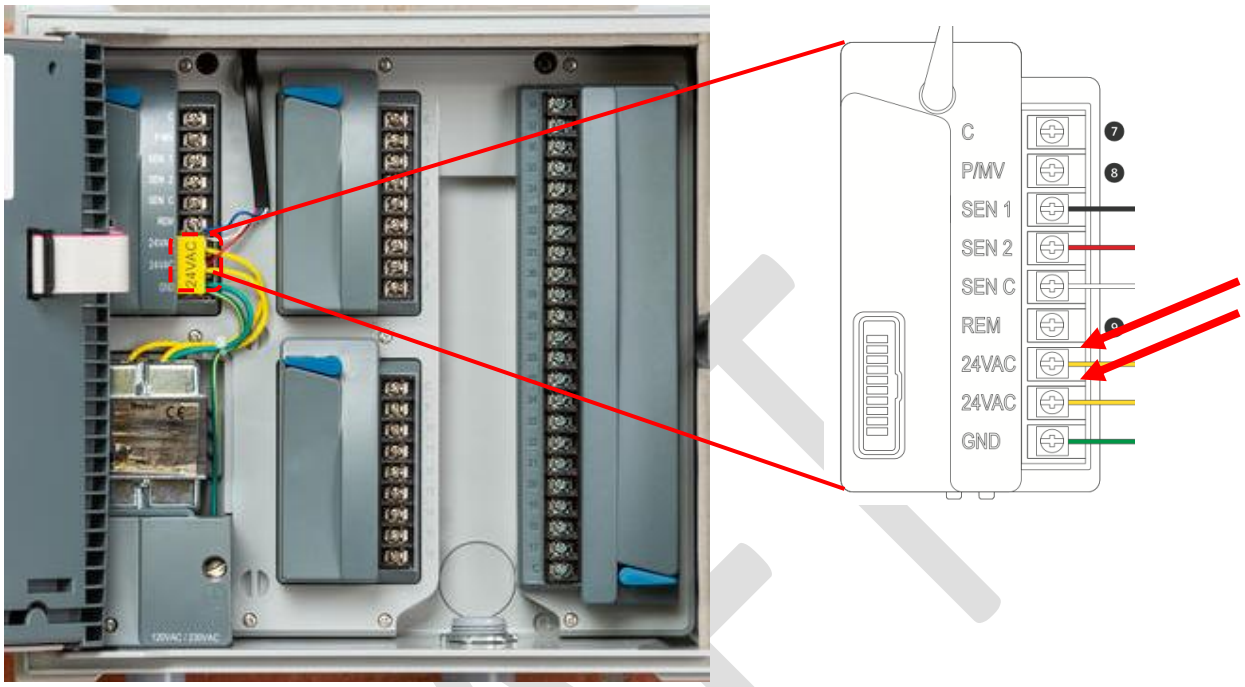
The 24 VAC power output is in the red dashed outline below.




DRAFT

## HCC Series Controller

The 24 VAC power output is in the red dashed outline below.




DRAFT

ESP-TM2 Series

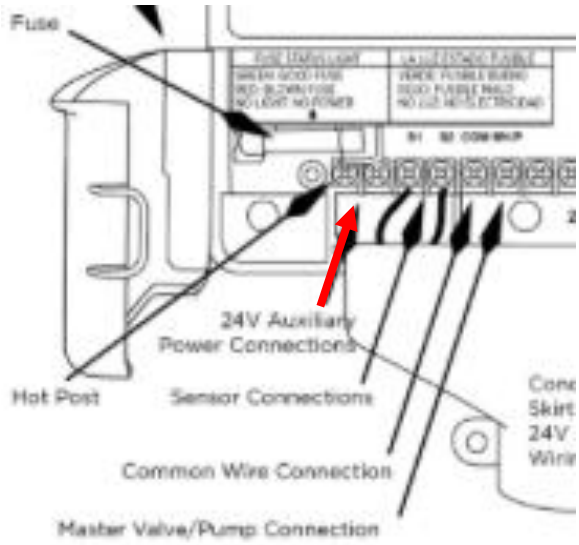



ESP-LXME2 Series

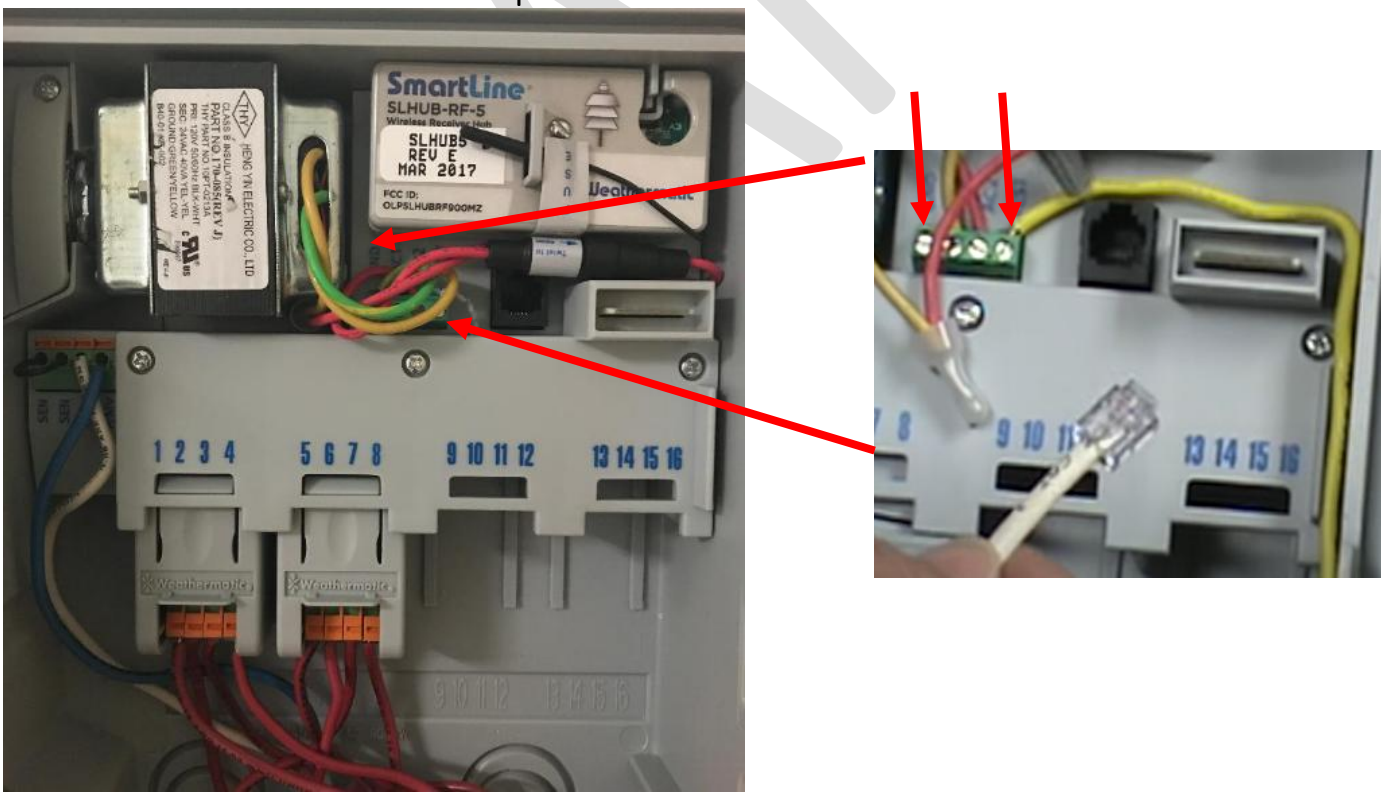


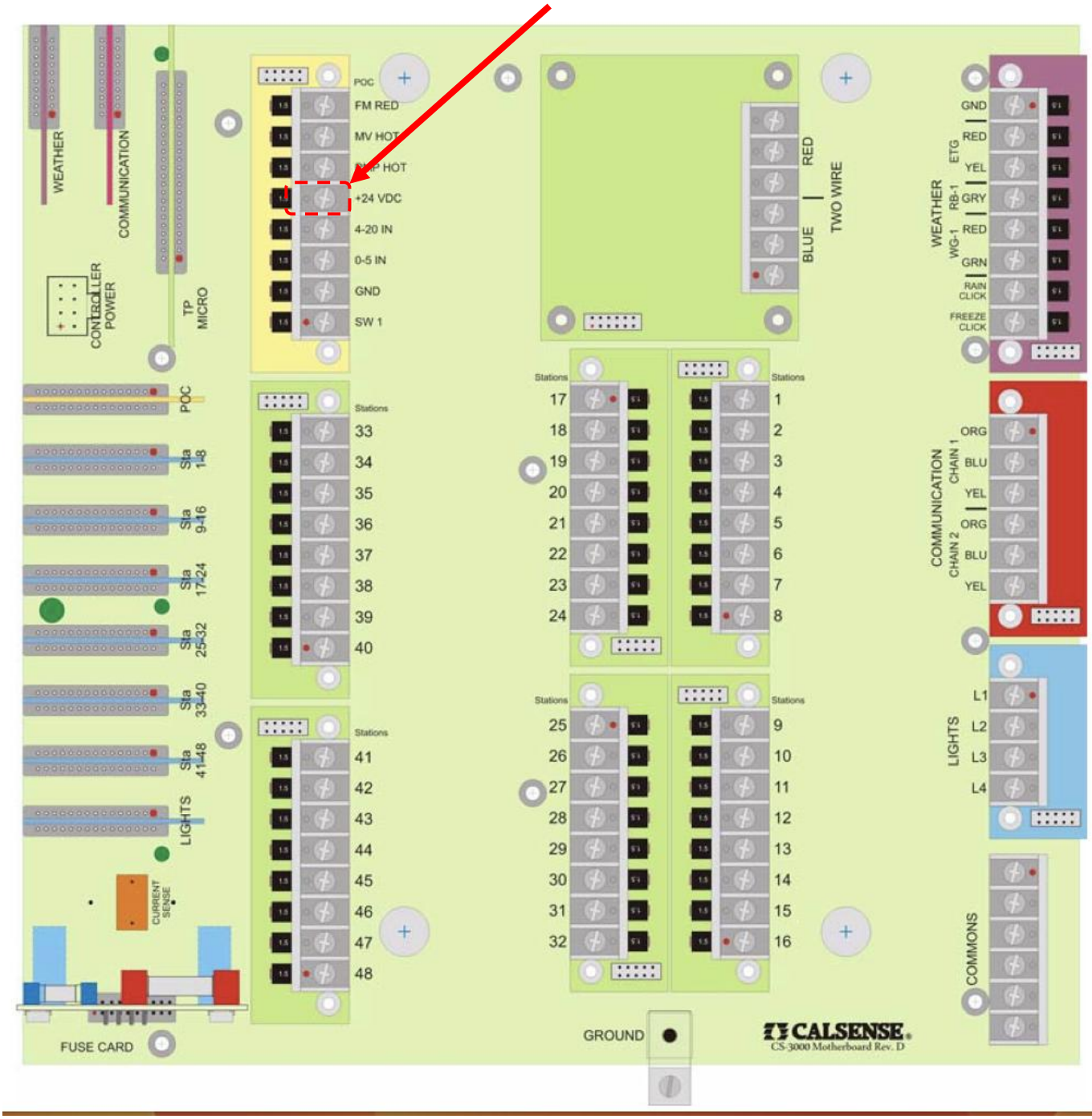
DRAFT

ProLine




SmartLink - Use Test and Ground ports




WEATHER
COMMUNICATION
CONTROLLER POWER
TP MICRO
POC
FM RED
MV HOT
PMP HOT
+24 VDC
4-20 IN
0-5 IN
GND
SW 1
RED
BLUE
TWO WIRE
GND
RED
YEL
GRY
RED
GRN
RAIN CLICK
FREEZE CLICK
WEATHER
ETG
RB-1
WG-1
Stations
17
18
19
20
21
22
23
24
1
2
3
4
5
6
7
8
33
34
35
36
37
38
39
40
25
26
27
28
29
30
31
32
9
10
11
12
13
14
15
16
41
42
43
44
45
46
47
48
ORG
BLU
YEL
ORG
BLU
YEL
COMMUNICATION
CHAIN 1
CHAIN 2
L1
L2
L3
L4
LIGHTS
COMMONS
Sta 1-8
Sta 9-16
Sta 17-24
Sta 25-32
Sta 33-40
Sta 41-48
CURRENT SENSE
FUSE CARD
GROUND
CALSENSE
CS-3000 Motherboard Rev. D