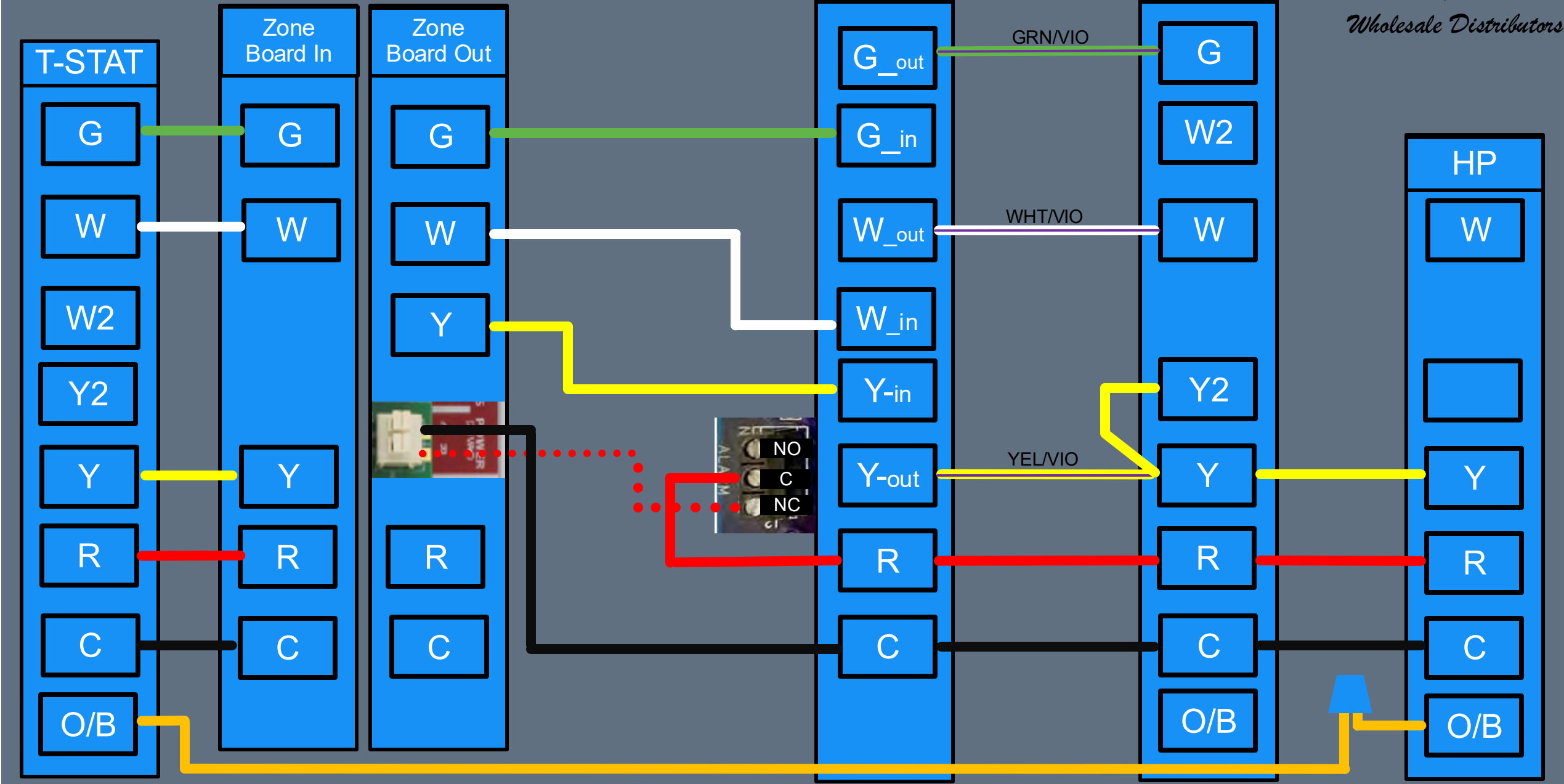
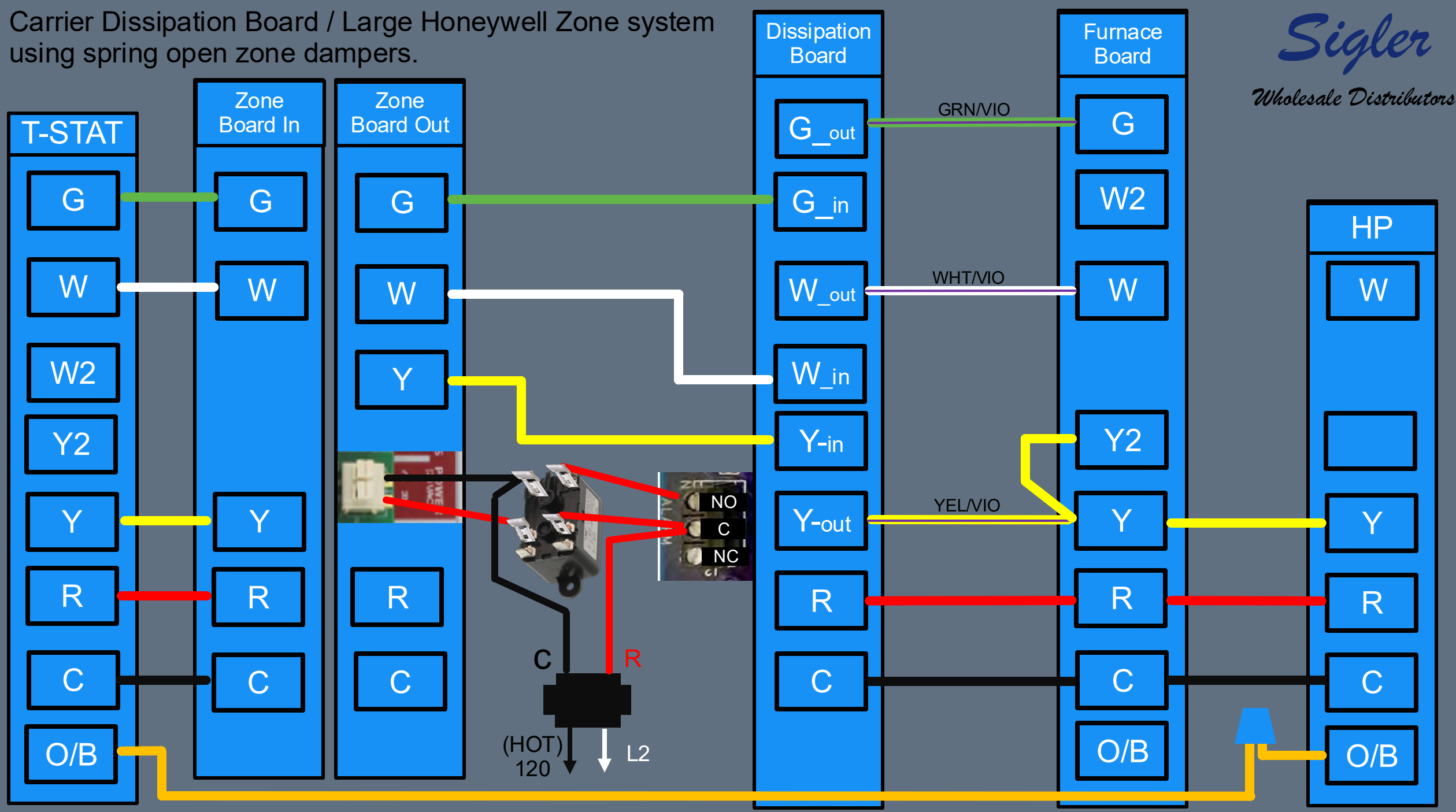
Carrier Dissipation / SMALL Two Zone Honeywell Zone system using spring open zone dampers.

Sigler
Wholesale Distributors

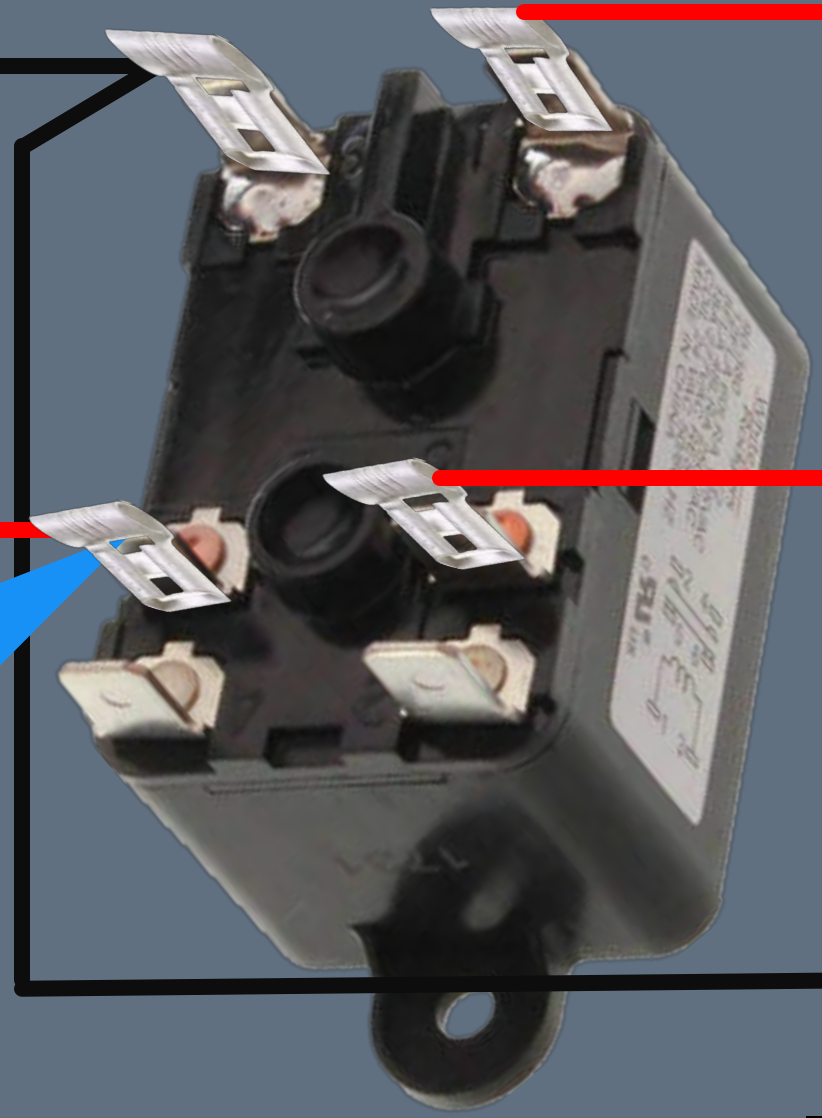


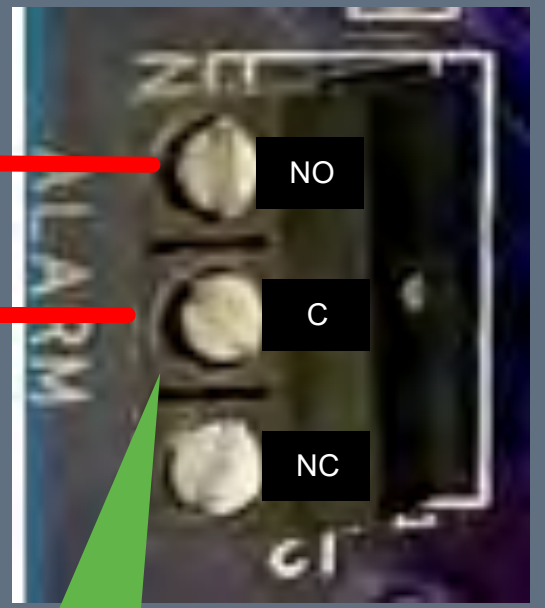
Carrier Dissipation Board / Large Honeywell Zone system using spring open zone dampers.

Sigler
Wholesale Distributors



Sigler
Wholesale Distributors





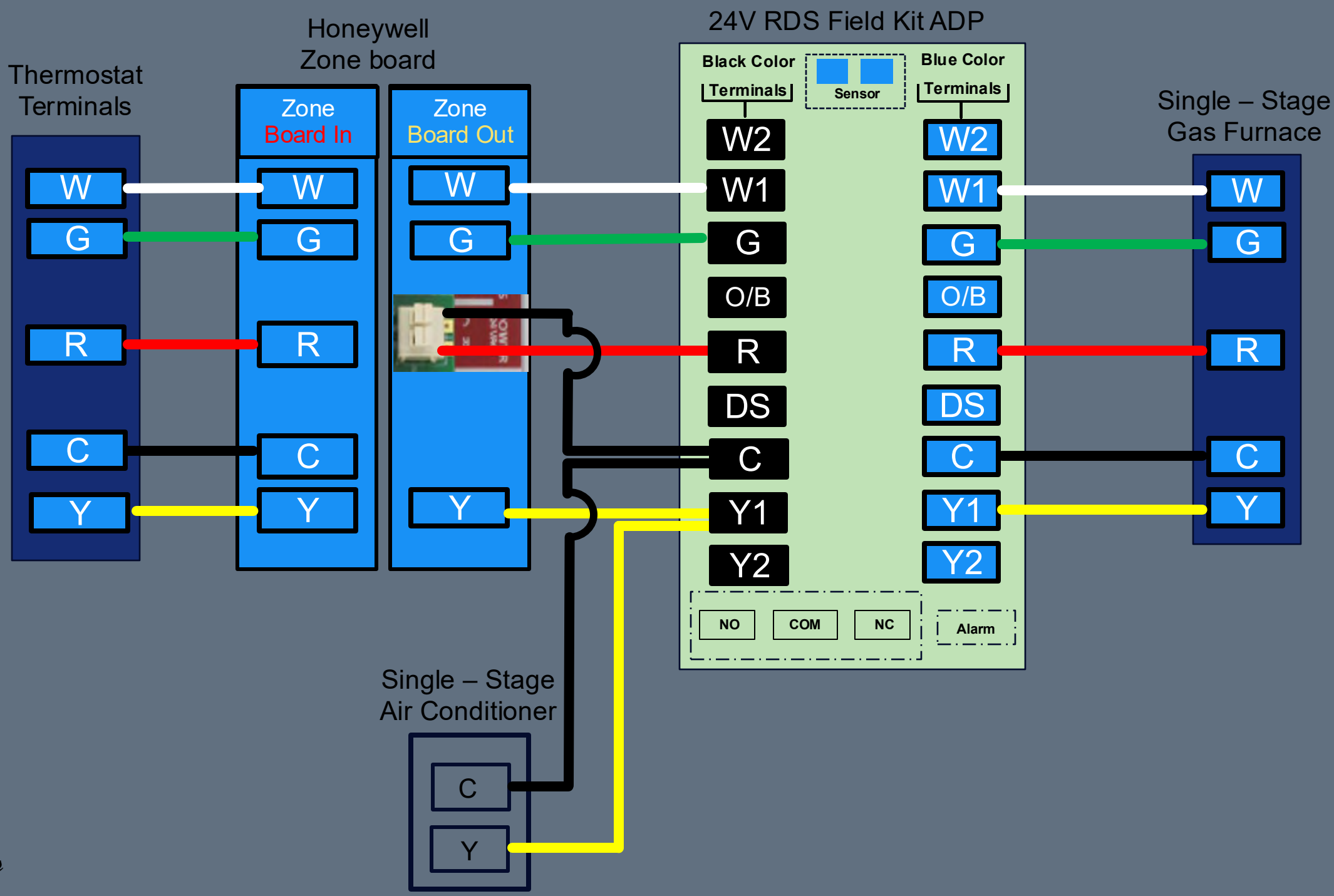
Use the
NC contacts
When
Dissipation
Activates
Zone system
will lose power
Dampers will all
spring open

(HOT)
120

C

Use Com
&
NO
Terminals

Honeywell Zone Board / ADP Dissipation System / Small Two Zone Damper System



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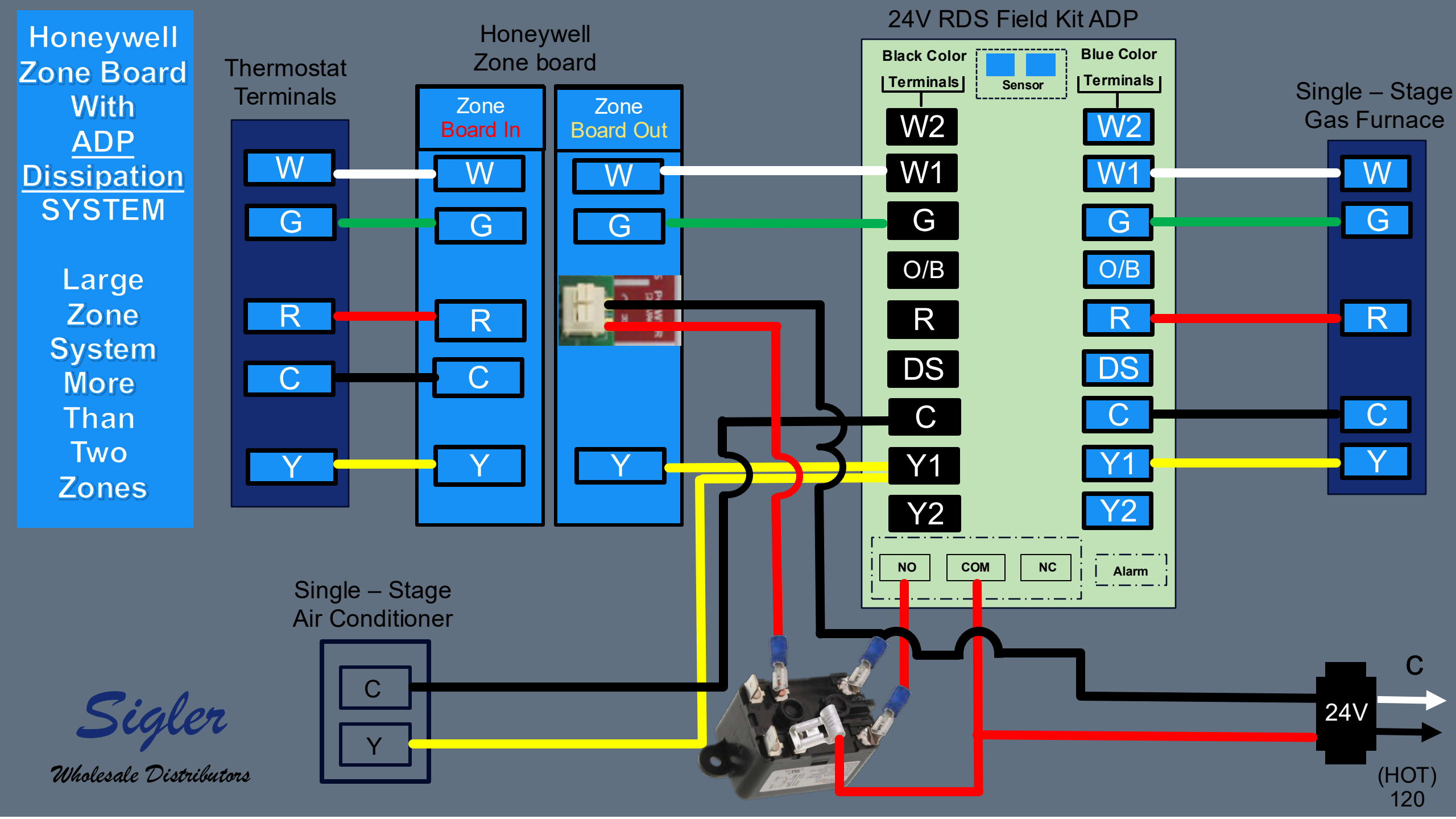
Honeywell Zone Board With ADP Dissipation SYSTEM

Large Zone System More Than Two Zones



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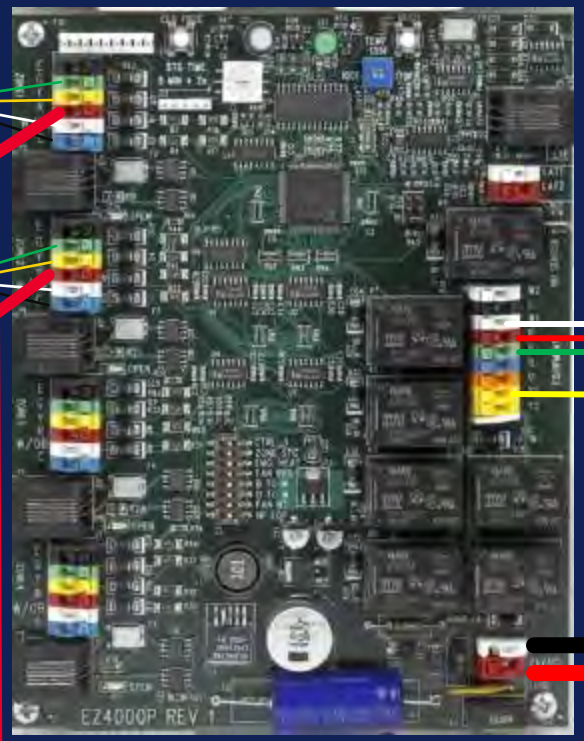
Zone First / ADP Dissipation



24V RDS Field Kit ADP

Black Color Terminals

Sensor

Blue Color Terminals

W2 W1 G O/B R DS C Y1 Y2

NO COM NC Alarm

T-Stat 1

W G Y C R

T-Stat 2

W G Y C R

Single – Stage Gas Furnace

W G R C Y

Single – Stage Air Conditioner

Y C

Sigler

Wholesale Distributors

Sigler

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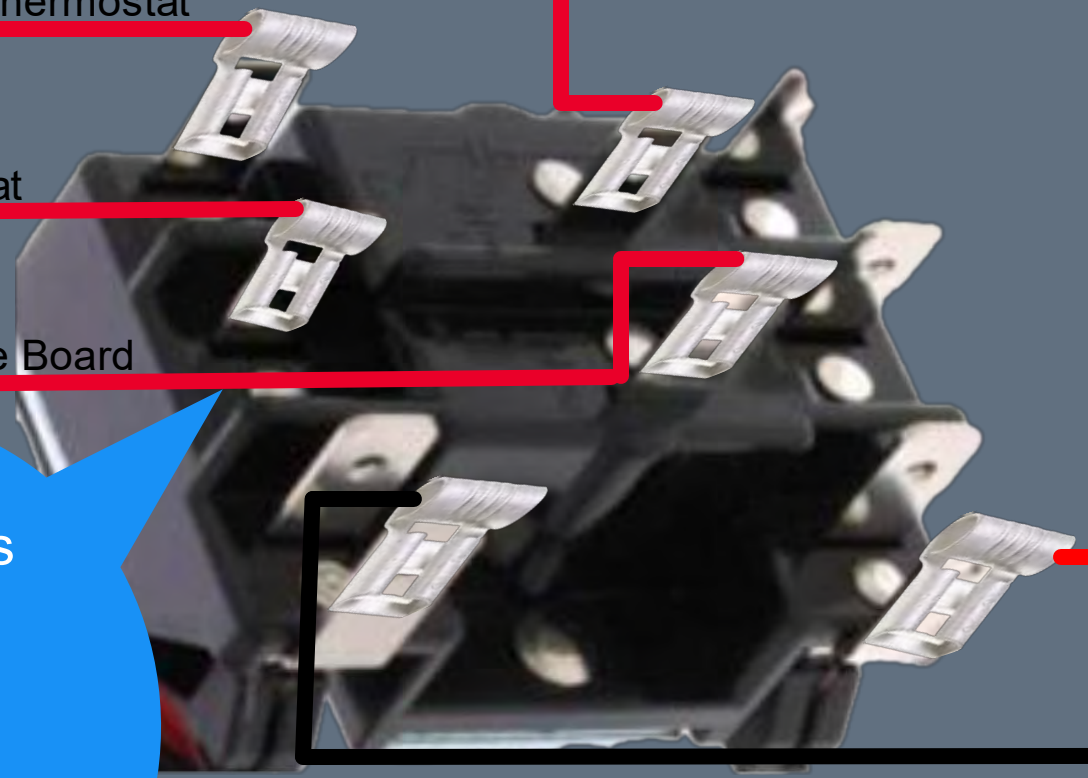
To Zone First Zone Board

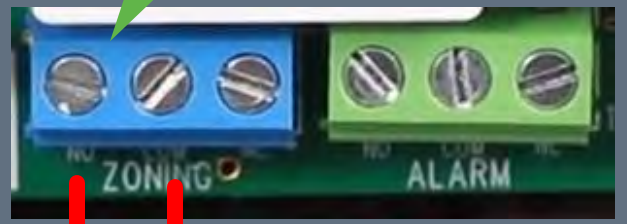
From Thermostat

From Thermostat

To Zone First Zone Board



Use Com
&
NO
Terminals



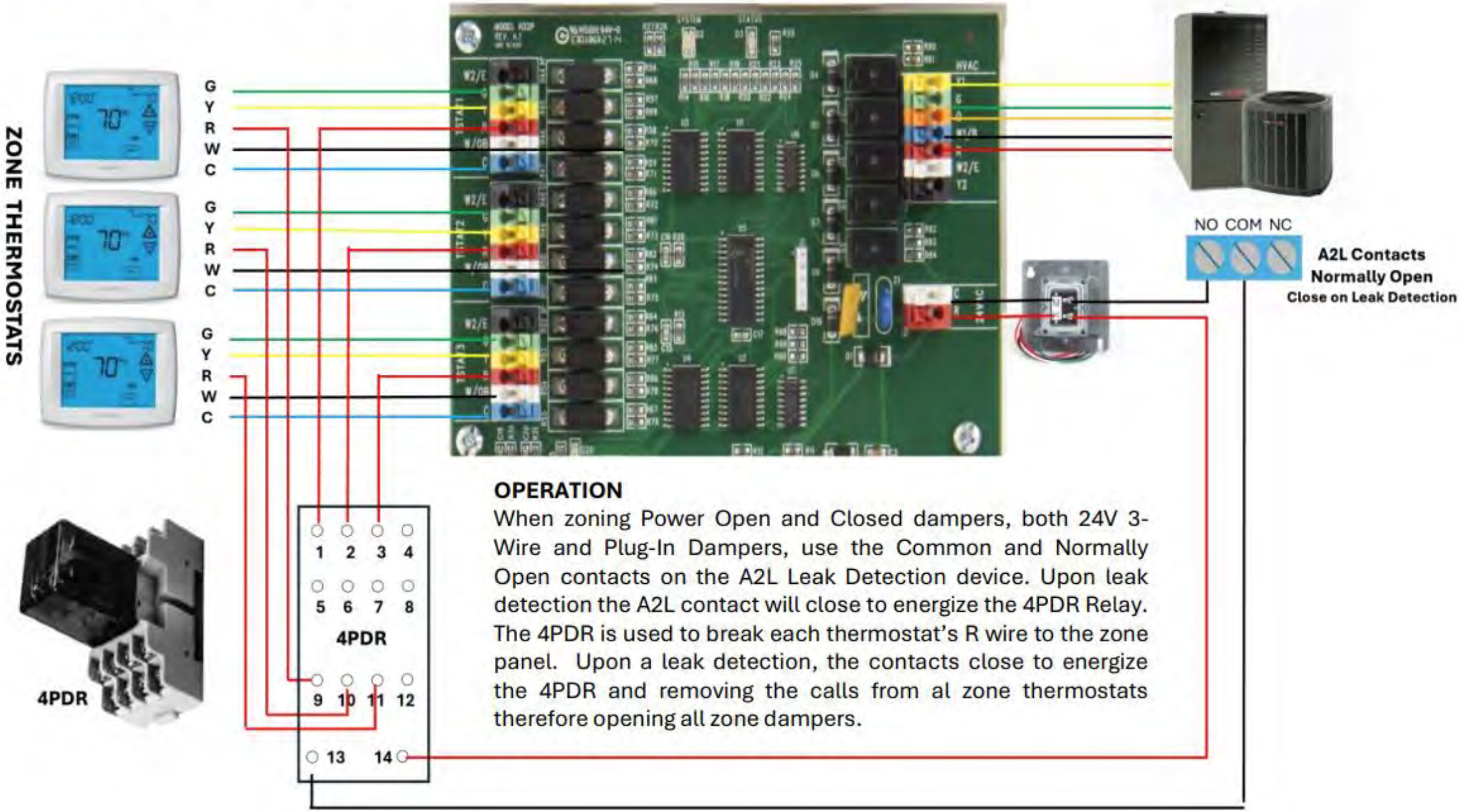
Use the
NC contacts
When
Dissipation
Activates
Zone will lose
command and
Dampers will all
drive open

24 volts can come
from dedicated
transformer or furnace

24V

(HOT)
120

Diagram 2 - Plug-In And 24V. Power Open-Close Dampers



OPERATION

When zoning Power Open and Closed dampers, both 24V 3-Wire and Plug-In Dampers, use the Common and Normally Open contacts on the A2L Leak Detection device. Upon leak detection the A2L contact will close to energize the 4PDR Relay. The 4PDR is used to break each thermostat's R wire to the zone panel. Upon a leak detection, the contacts close to energize the 4PDR and removing the calls from al zone thermostats therefore opening all zone dampers.

NEW Z3 Zone Panels – available Fall 2024

ZONEFIRST has A2L covered going forward also. Our NEW Multi-Function Z3 and Z3P zone panels have A2L operation built-in. Wire the HVAC Units A2L contacts to the sensor connections on the panel. This simplifies installation even more. These new panels eliminate the need for determining the panel and simplify set-up with a NEW App based set-up. Scan the QR code on panel and see the menu driven set-up on your phone. A2L functionality is built-in by wiring the A2L contacts to the sensor contacts on the panel.

ZONEFIRST®

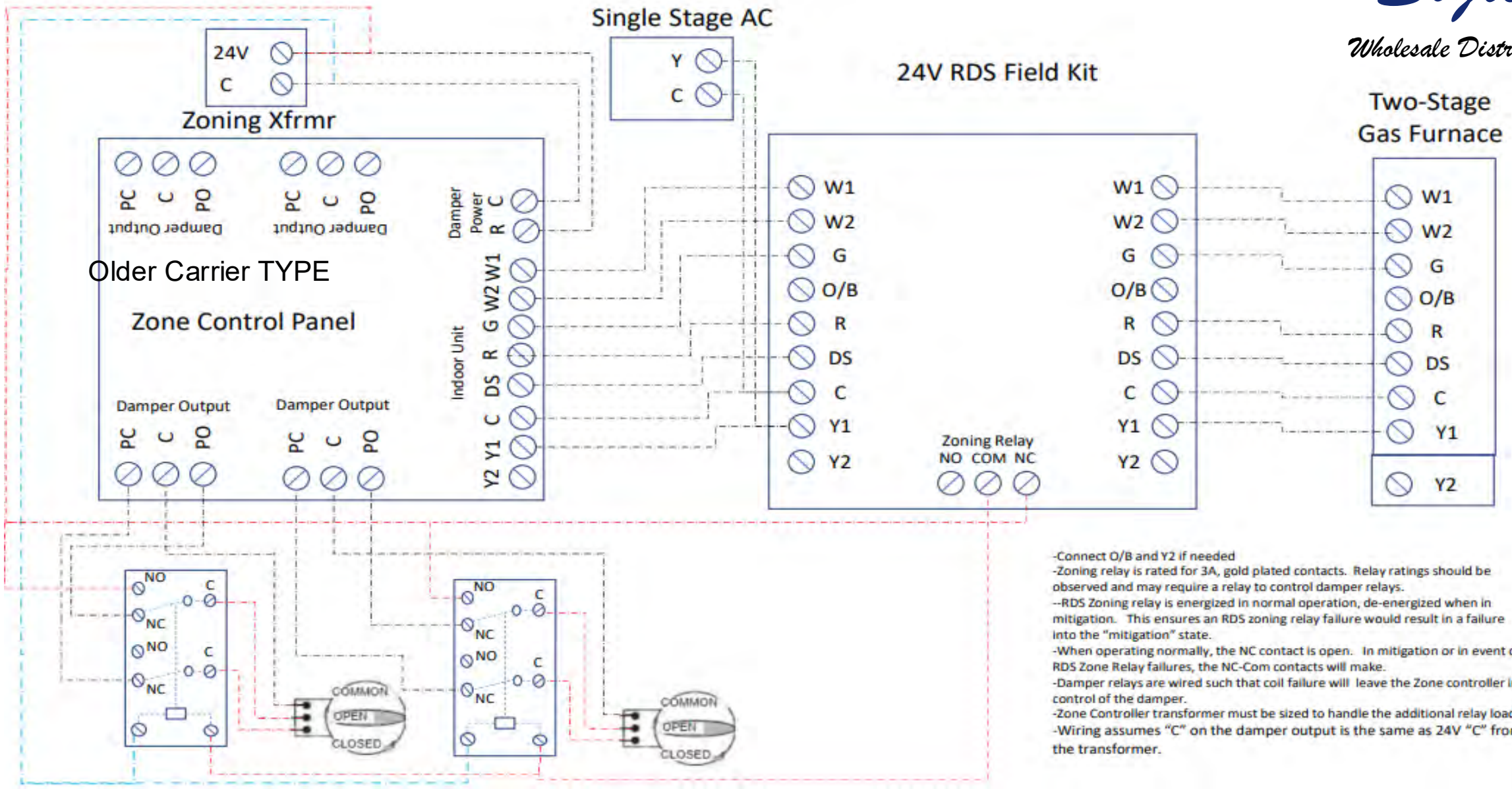
www.zonefirst.com/A2L

We've got you covered for A2L Zoning Solutions

Carrier
Turn to the experts

Puron ADVANCE™

Sigler
Wholesale Distributors



-Connect O/B and Y2 if needed
-Zoning relay is rated for 3A, gold plated contacts. Relay ratings should be observed and may require a relay to control damper relays.
--RDS Zoning relay is energized in normal operation, de-energized when in mitigation. This ensures an RDS zoning relay failure would result in a failure into the "mitigation" state.
-When operating normally, the NC contact is open. In mitigation or in event of RDS Zone Relay failures, the NC-Com contacts will make.
-Damper relays are wired such that coil failure will leave the Zone controller in control of the damper.
-Zone Controller transformer must be sized to handle the additional relay loads
-Wiring assumes "C" on the damper output is the same as 24V "C" from the transformer.

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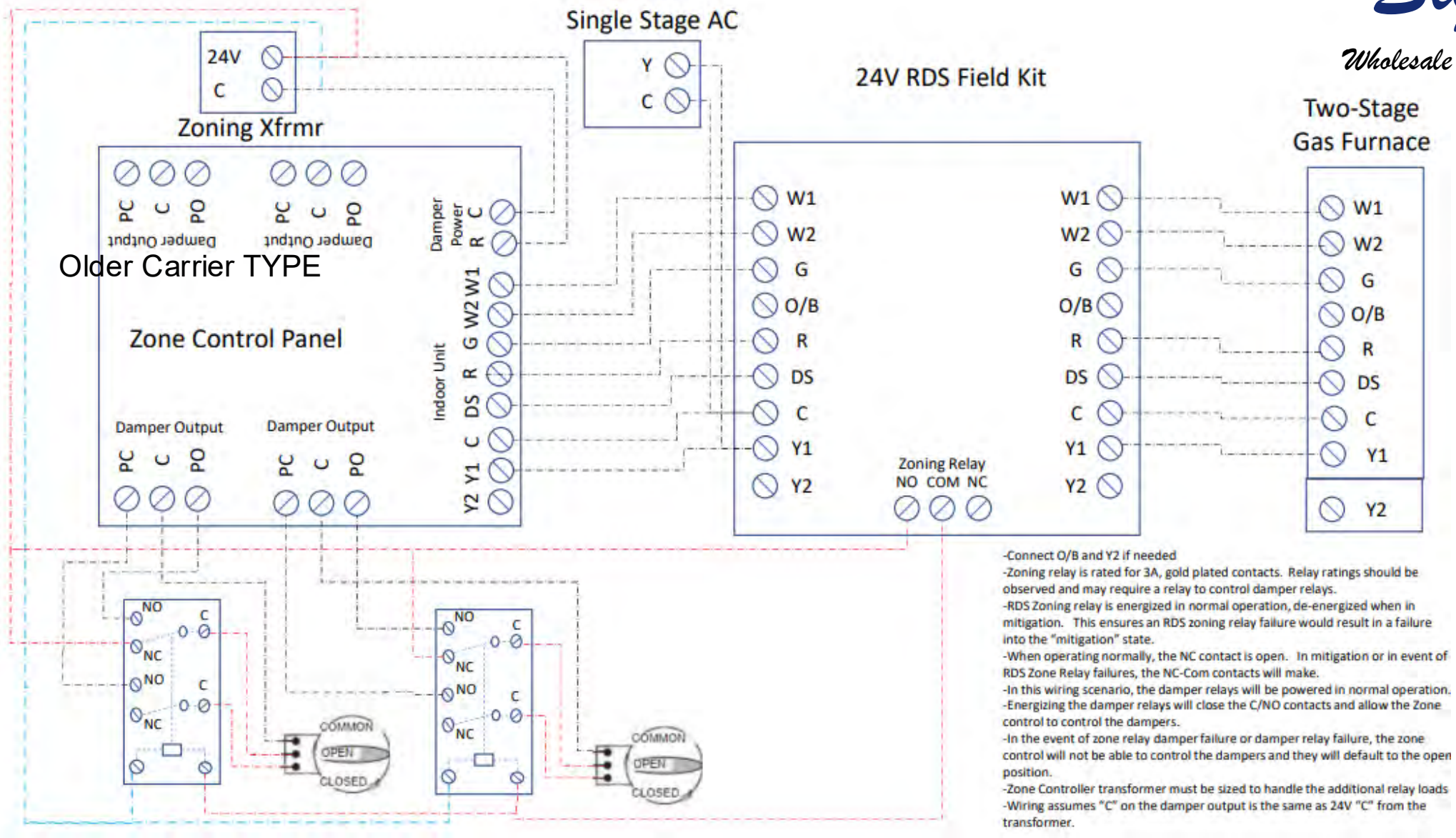

-Connect O/B and Y2 if needed
-Zoning relay is rated for 3A, gold plated contacts. Relay ratings should be observed and may require a relay to control damper relays.
-RDS Zoning relay is energized in normal operation, de-energized when in mitigation. This ensures an RDS zoning relay failure would result in a failure into the "mitigation" state.
-When operating normally, the NC contact is open. In mitigation or in event of RDS Zone Relay failures, the NC-Com contacts will make.
-In this wiring scenario, the damper relays will be powered in normal operation.
-Energizing the damper relays will close the C/NO contacts and allow the Zone control to control the dampers.
-In the event of zone relay damper failure or damper relay failure, the zone control will not be able to control the dampers and they will default to the open position.
-Zone Controller transformer must be sized to handle the additional relay loads
-Wiring assumes "C" on the damper output is the same as 24V "C" from the transformer.

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