

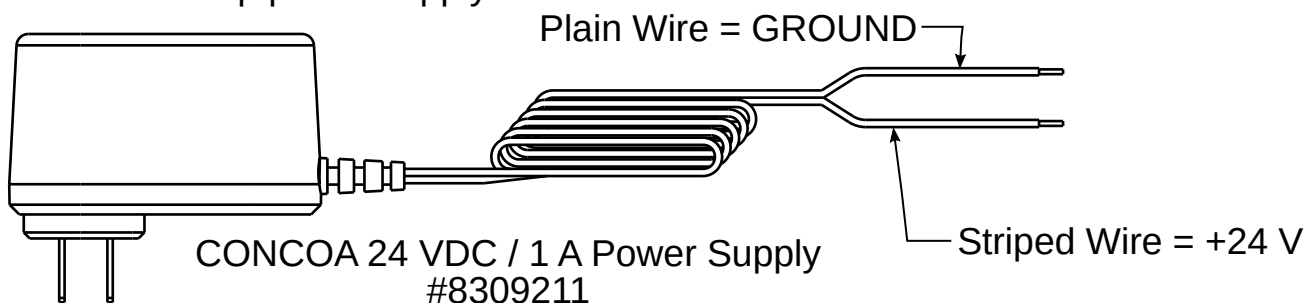


Hookup of the CONCOA 5803063 Alarm Stack to the CONCOA 5851008 Series ESO Controller, 5750164 Advantium 16 Alarm & 5750025 Altos 2 Alarm

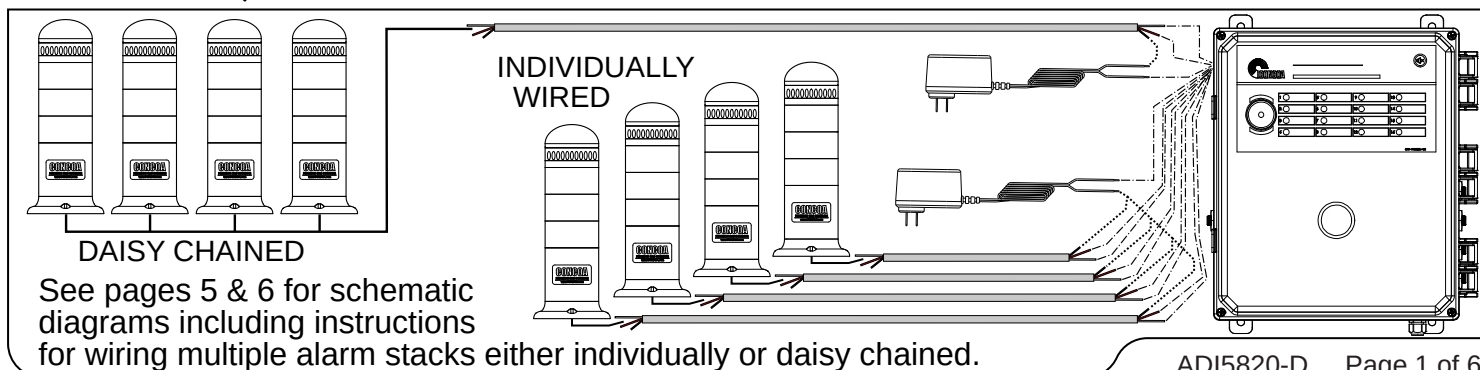
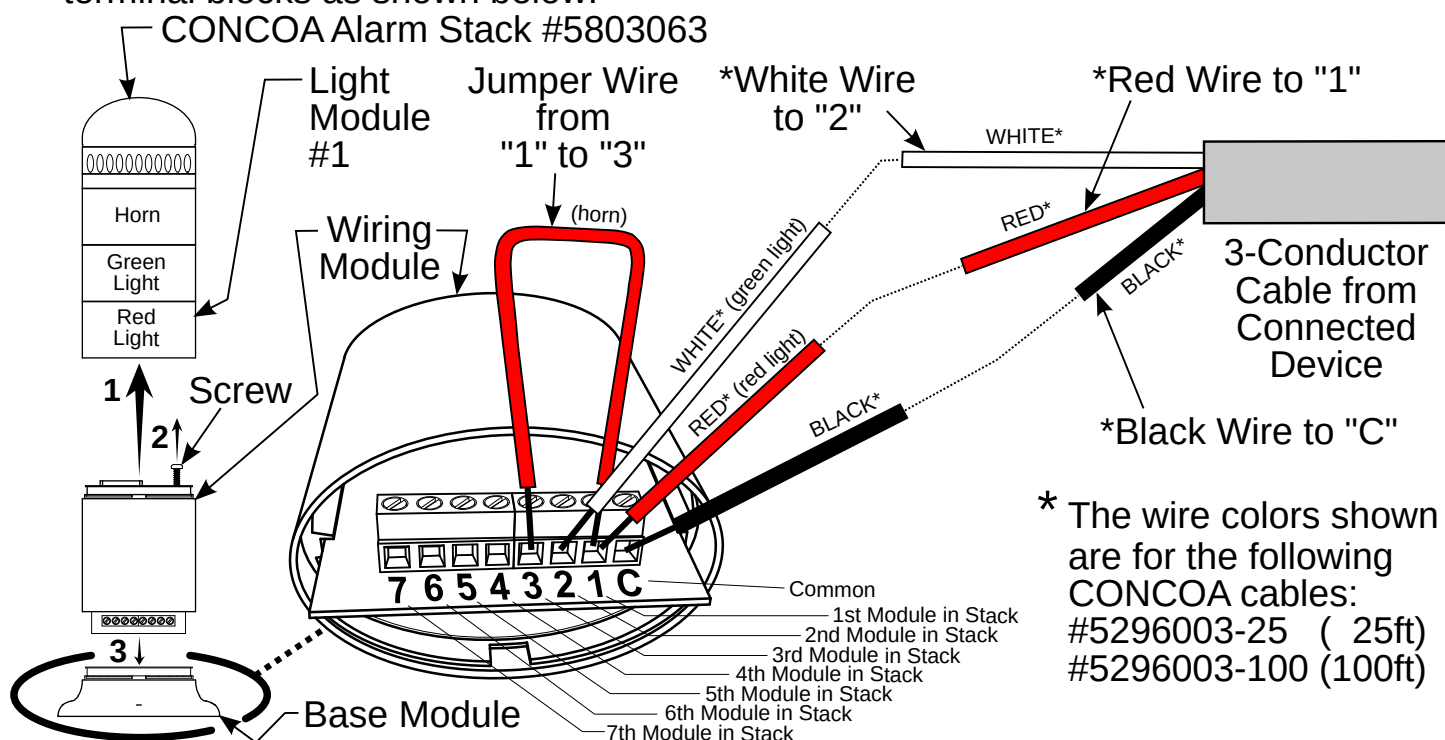
www.concoa.com

1-800-225-0473

- 1 The 5803063 alarm stack requires a 24 VDC power supply. CONCOA provides each unit with a 1 Amp power supply # 8309211.



- 2 Detach light module #1 from the wiring module, and loosen the screw securing the wiring module to the base module. Pull firmly straight down to detach the base module, and connect wires to the exposed terminal blocks as shown below:

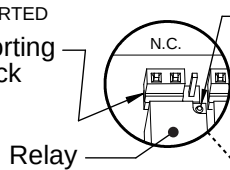


3 Wiring Arrangement #1 - Connection to CONCOA #5851008 Series ESO Controller:

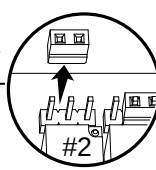
3-Conductor Cable to Alarm Stack

**STANDARD CONFIGURATION,
NORMALLY CLOSED:**
THE 2 PINS FARTHEST FROM
THE RELAY DOT MARK ARE
SHORTED

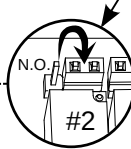
Shorting
Block



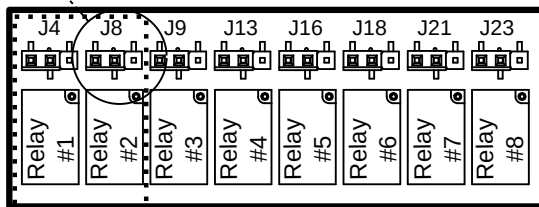
Relay
Dot Mark



**CHANGE
RELAY #2
TO
NORMALLY
OPEN**



For an alarm stack connection,
(2) alarm outputs are required.
The (8) dry contact relay outputs
on the 5851008 Series ESO
Controller main circuit board
allow for the connection of up
to (4) alarm stacks.
Refer to CONCOA instructions
document 99065850 (ADI5850).
Select a pair of outputs and
relays to use for each alarm
stack connection, and connect
wires as shown below:



**DRY CONTACT
RELAY OUTPUTS**

EXAMPLE:

Output #1 / Relay #1 and
Output #2 / Relay #2
Have Been Selected for
the Alarm Stack Connection.

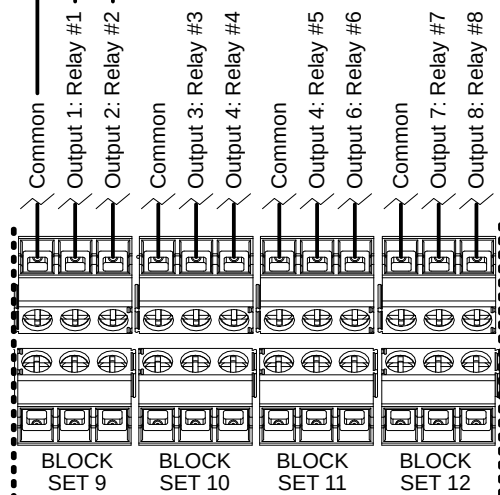
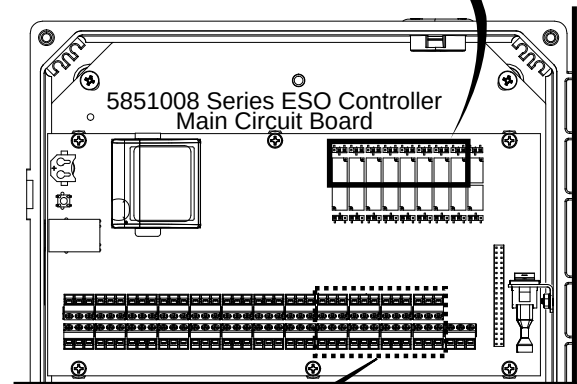
*Black Wire from Cable to
Black Wire on Power Supply

*White Wire to Output "1"
(Green Light)

*Red Wire to Output "2"
(Red Light & Horn)

STRIPED
BLACK

Striped Wire
(+24 VDC) on
Power Supply
to "C" (Common)



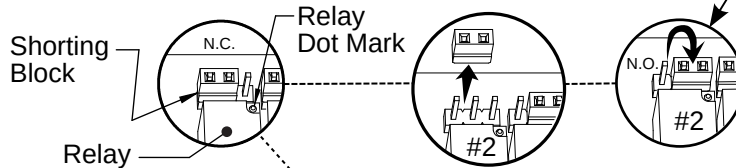
ALARM OUTPUTS

* The wire colors shown
are for the following
CONCOA cables:
#5296003-25 (25ft)
#5296003-100 (100ft)

4 Wiring Arrangement #2 - Connection to CONCOA #5750164-01-000 Advantium 16 Remote Alarm:

3-Conductor
Cable to
Alarm Stack

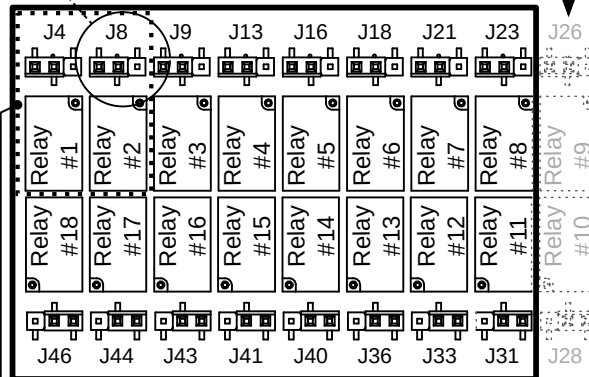
STANDARD CONFIGURATION, NORMALLY CLOSED:
THE 2 PINS FARTHEST FROM THE RELAY DOT MARK ARE SHORTED



**CHANGE
RELAY #2
TO
NORMALLY
OPEN**

Relays #9 & #10 are
not user configurable.

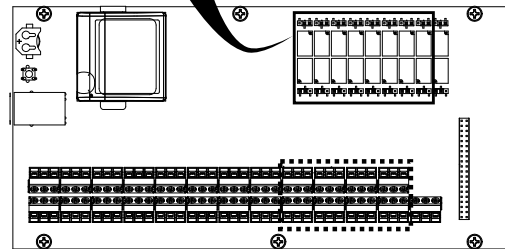
For an alarm stack connection,
(2) alarm outputs are required.
The (16) dry contact relay outputs
on the Advantium 16 main circuit
board allow for the connection of
up to (8) alarm stacks.
Refer to CONCOA instructions
document 99069531 (ADI9531).
Select a pair of outputs and
relays to use for each alarm
stack connection, and connect
wires as shown below:



**DRY
CONTACT
RELAY
OUTPUTS**

EXAMPLE:

Output #1 / Relay #1
and
Output #2 / Relay #2
Have Been Selected
for the Alarm Stack
Connection.



Advantium 16 Main Circuit Board

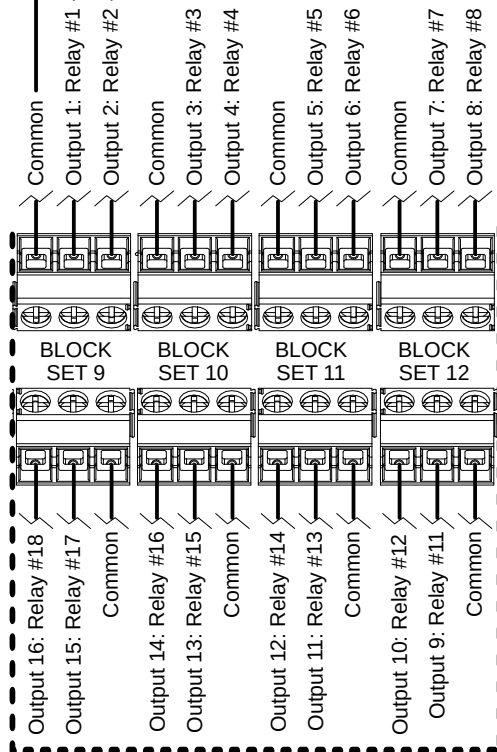
*Black Wire from
Cable to Black
Wire on Power
Supply

*White Wire to Output "1"
(Green Light)

*Red Wire to Output "2"
(Red Light & Horn)

Striped Wire
(+24 VDC) on
Power Supply
to "C" (Common)

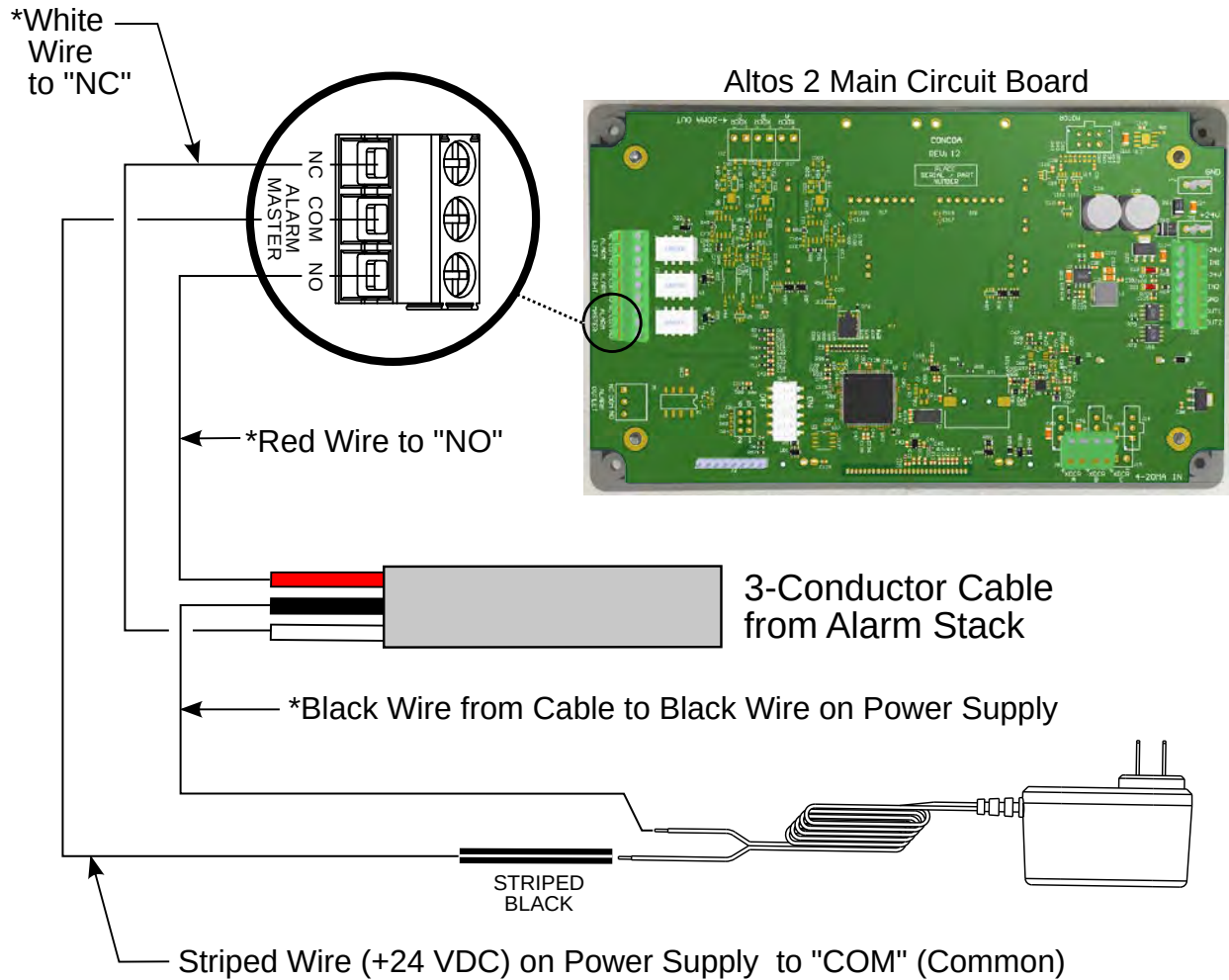
STRIPED
BLACK



ALARM OUTPUTS

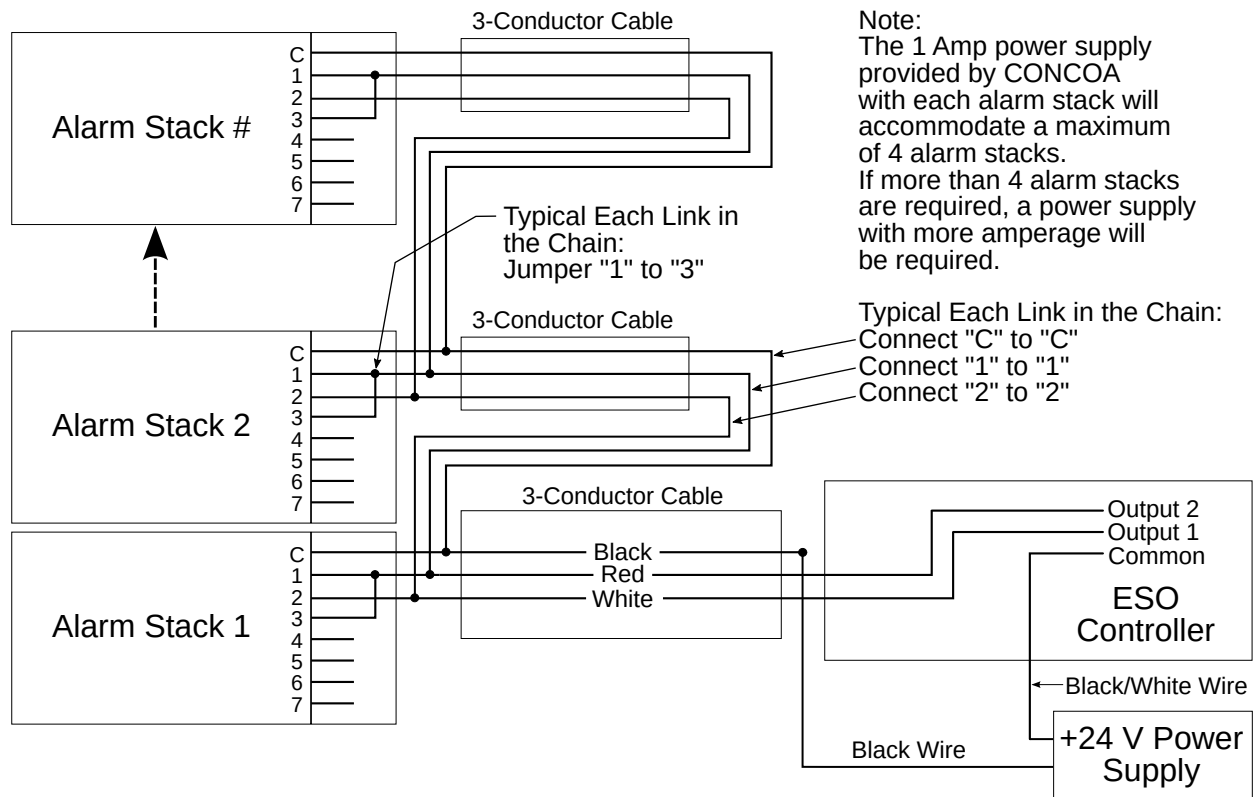
* The wire colors shown
are for the following
CONCOA cables:
#5296003-25 (25ft)
#5296003-100 (100ft)

5 Wiring Arrangement #3 - Connection to CONCOA #5750025-01-24V Altos 2 Remote Alarm:



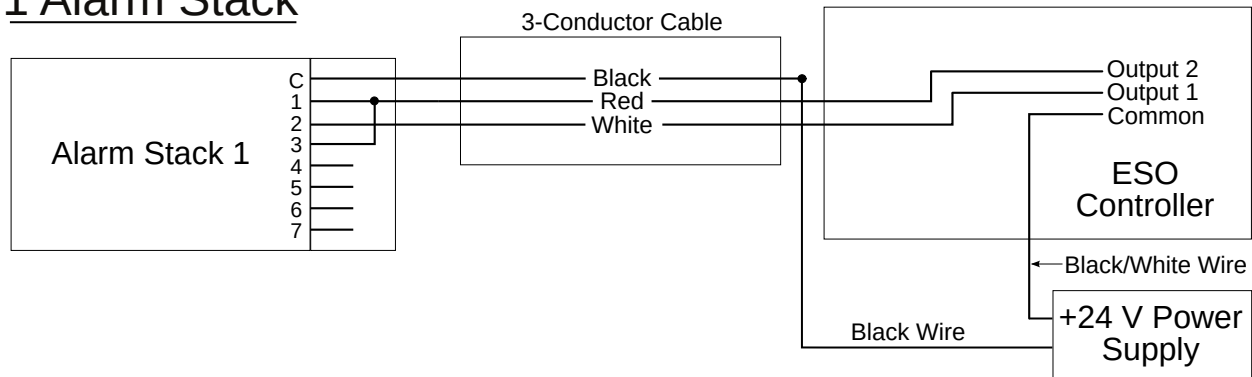
* The wire colors shown are for the following CONCOA cables:
 #5296003-25 (25ft)
 #5296003-100 (100ft)

SCHEMATIC DIAGRAM - DAISY CHAINED STACKS

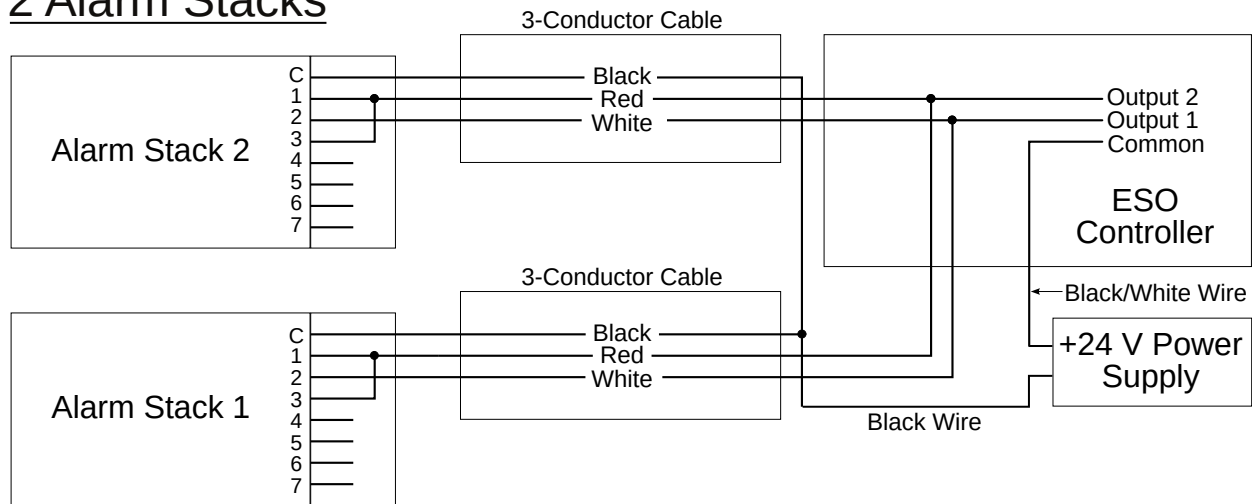


SCHEMATIC DIAGRAMS - INDIVIDUALLY WIRED STACKS

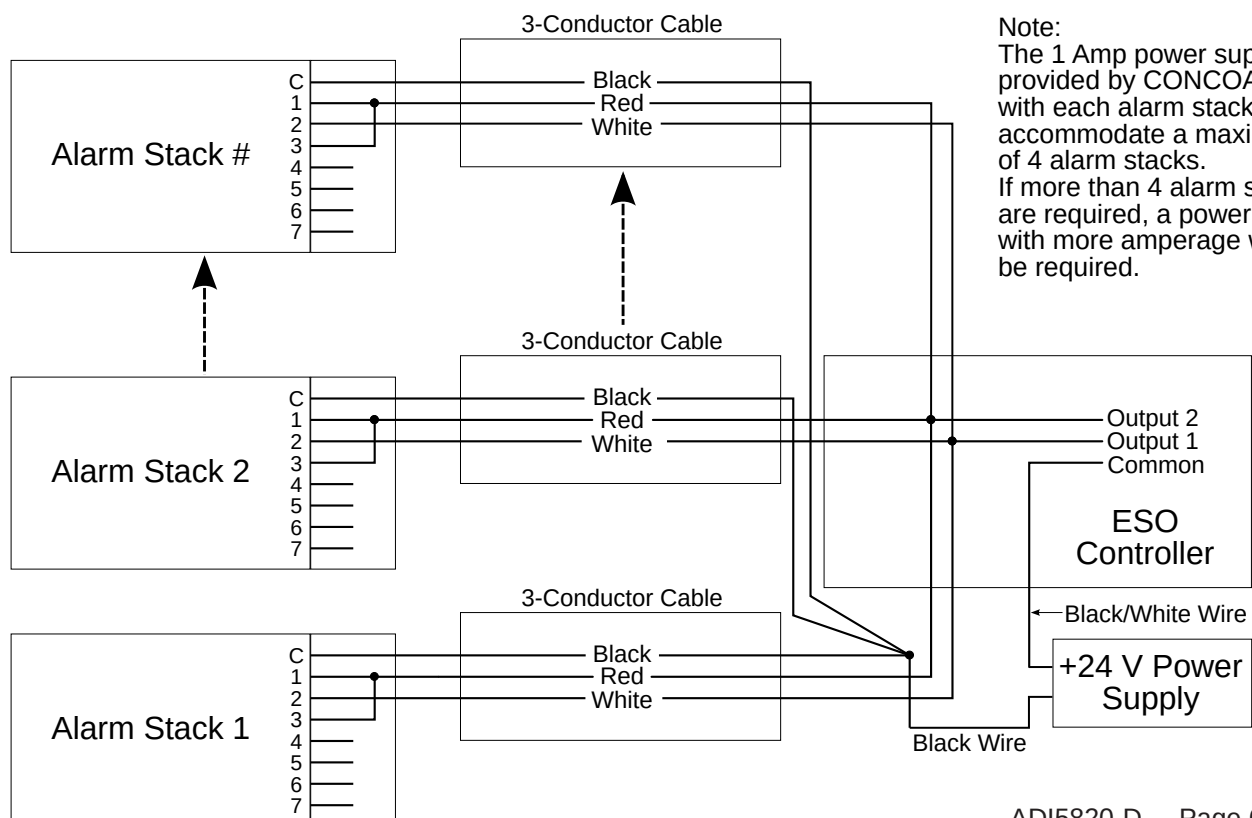
1 Alarm Stack



2 Alarm Stacks



More than 2 Alarm Stacks



Note:
The 1 Amp power supply provided by CONCOA with each alarm stack will accommodate a maximum of 4 alarm stacks. If more than 4 alarm stacks are required, a power supply with more amperage will be required.