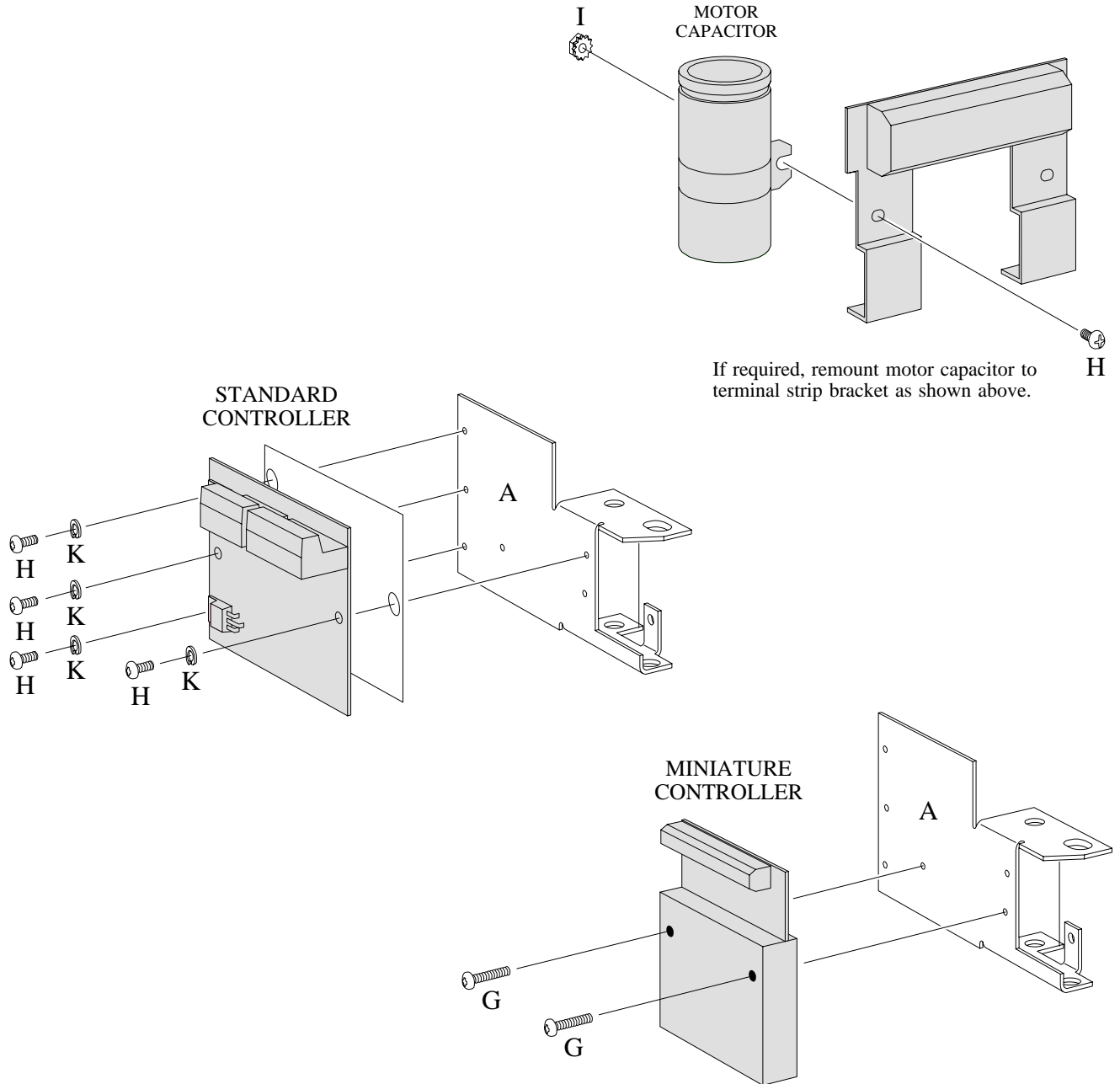


### ASSEMBLY DIAGRAM

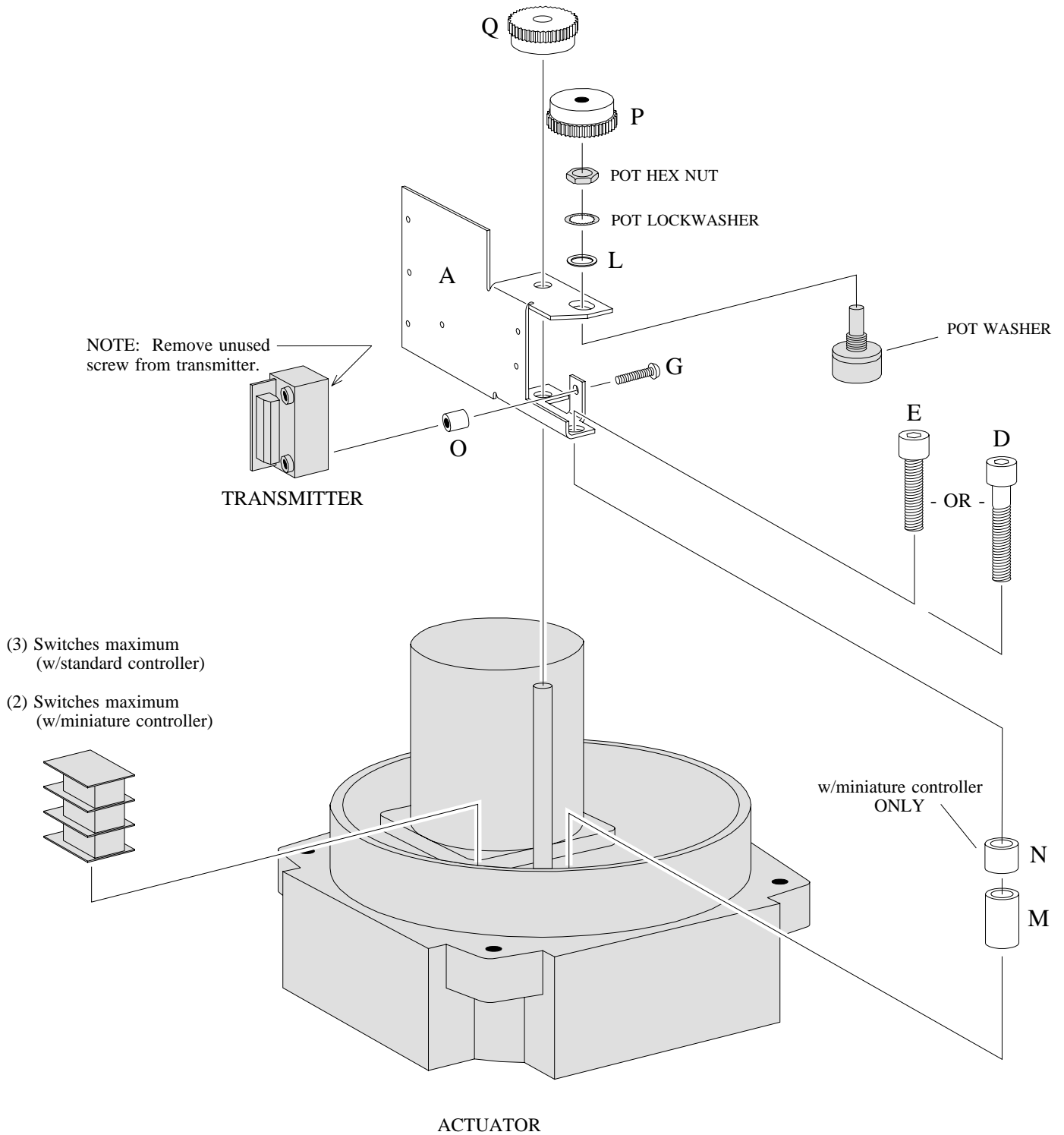
Noah NA15, 19, 28, 38, 50, 60, 80, 100, 150, 200, 250 Actuators



### CONTROLLER INSTALLATION

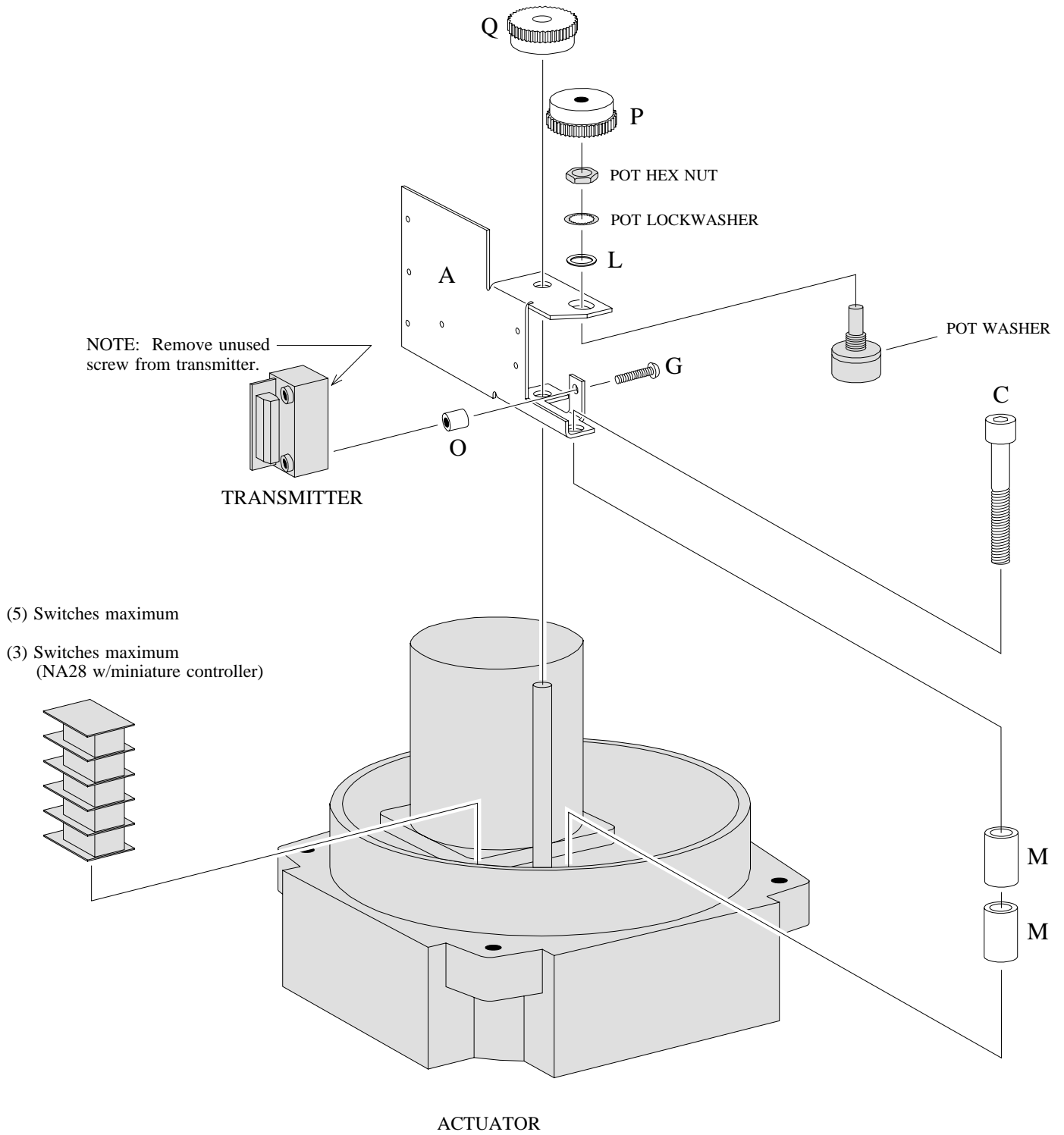
ASSEMBLY DIAGRAM

Noah NA15, 19 Actuators



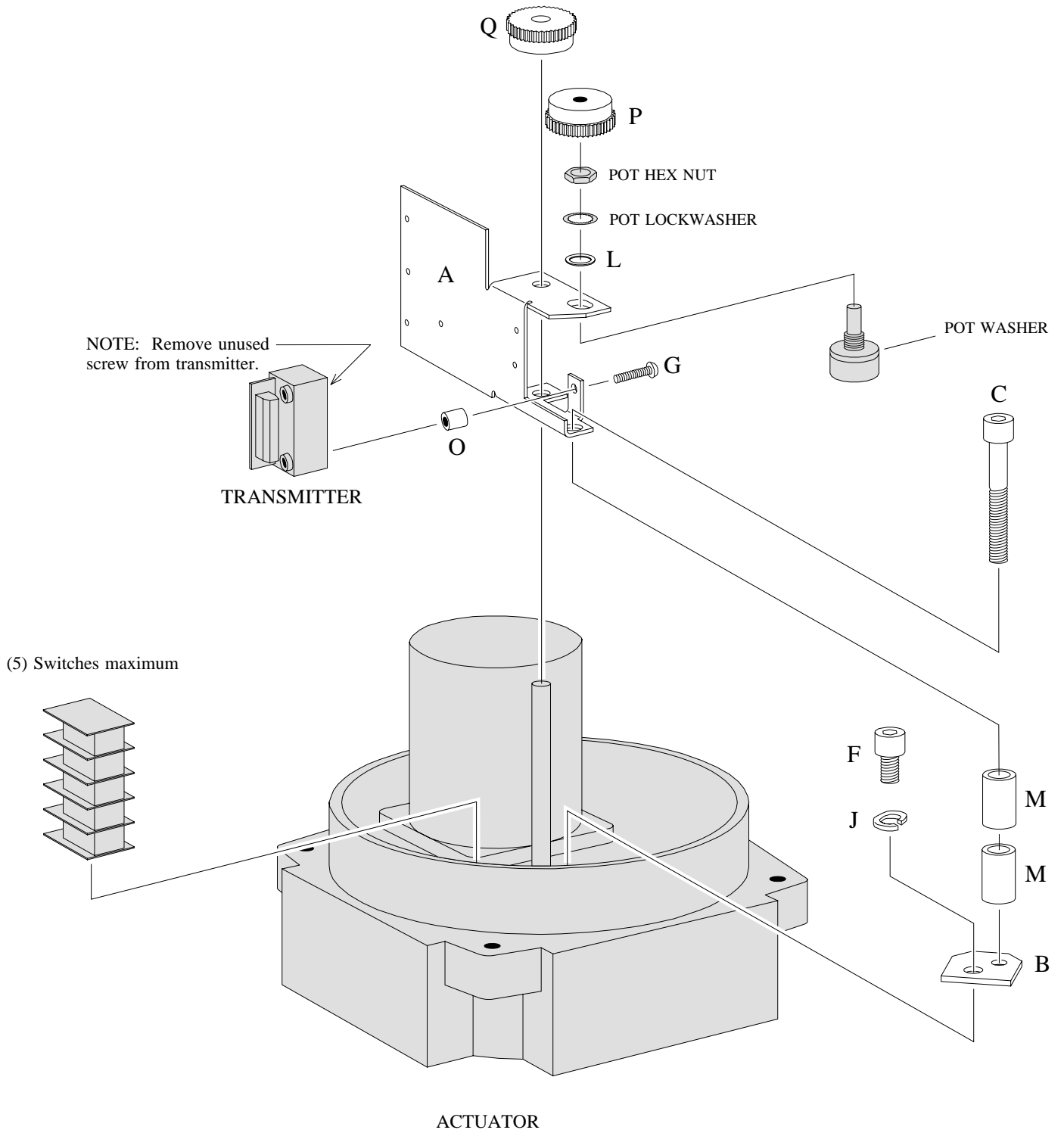
ASSEMBLY DIAGRAM

Noah NA28, 38, 50 Actuators

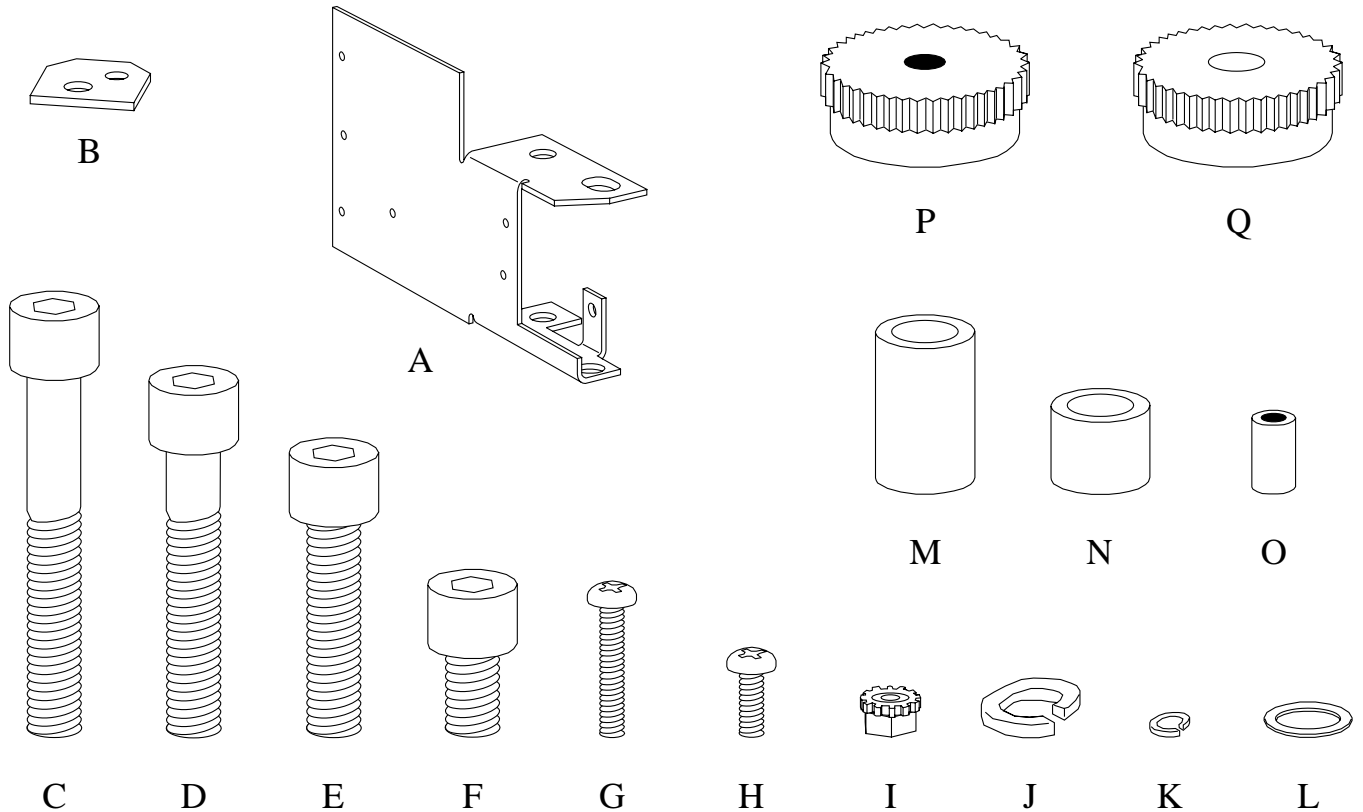


ASSEMBLY DIAGRAM

Noah NA60, 80, 100, 150, 200, 250 Actuators



## KIT CONTENTS



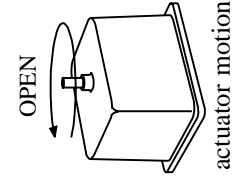
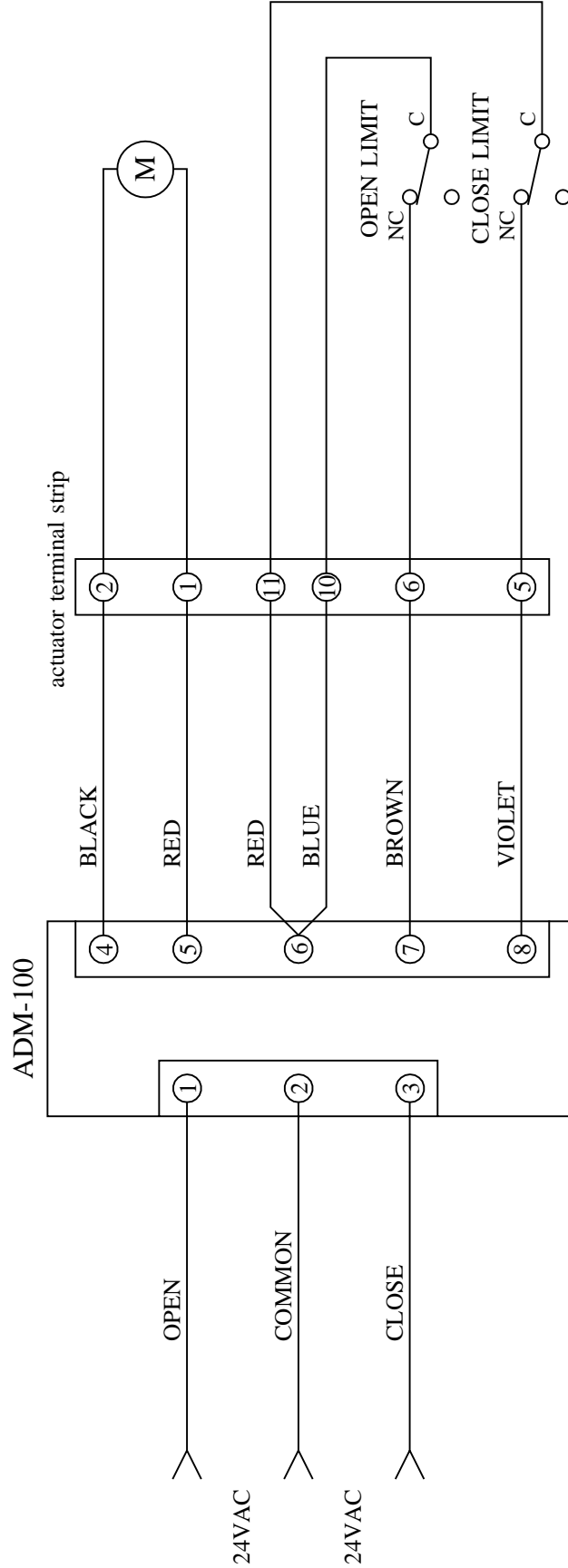
ITEM	QTY	DESCRIPTION
A	1	actuator bracket
B	1	adaptor plate (for NA60, 80, 100, 150, 200, 250)
C	1	8mm/1.25mm x 50mm socket head cap screw
D	1	8mm/1.25mm x 40mm socket head cap screw
E	1	8mm/1.25mm x 30mm socket head cap screw
F	1	8mm/1.25mm x 12mm socket head cap screw
G	3	#6-32 x 0.75" pan head screw
H	5	#6-32 x 0.375" pan head screw
I	1	#6-32 keps nut
J	1	8mm split ring lockwasher
K	4	#6 split ring lockwasher
L	1	potentiometer anti-slip washer
M	2	0.787" nylon spacer (0.562" O.D.)
N	1	0.394" nylon spacer (0.562" O.D.)
O	1	0.375" nylon spacer (0.25" O.D.)
P	1	potentiometer gear
Q	1	output shaft gear
not shown	3	16" red wire
not shown	2	16" white wire
not shown	2	16" blue wire
not shown	1	16" black wire
not shown	1	16" brown wire
not shown	1	16" violet wire
not shown	3	6.3" nylon tie wrap

# AC to DC MODULE

## WIRING DIAGRAM

Noah NA15, 19, 28 Actuators

The ADM-100 AC to DC Module allows a 24VDC actuator to be controlled like a 24VAC split-phase motor actuator.

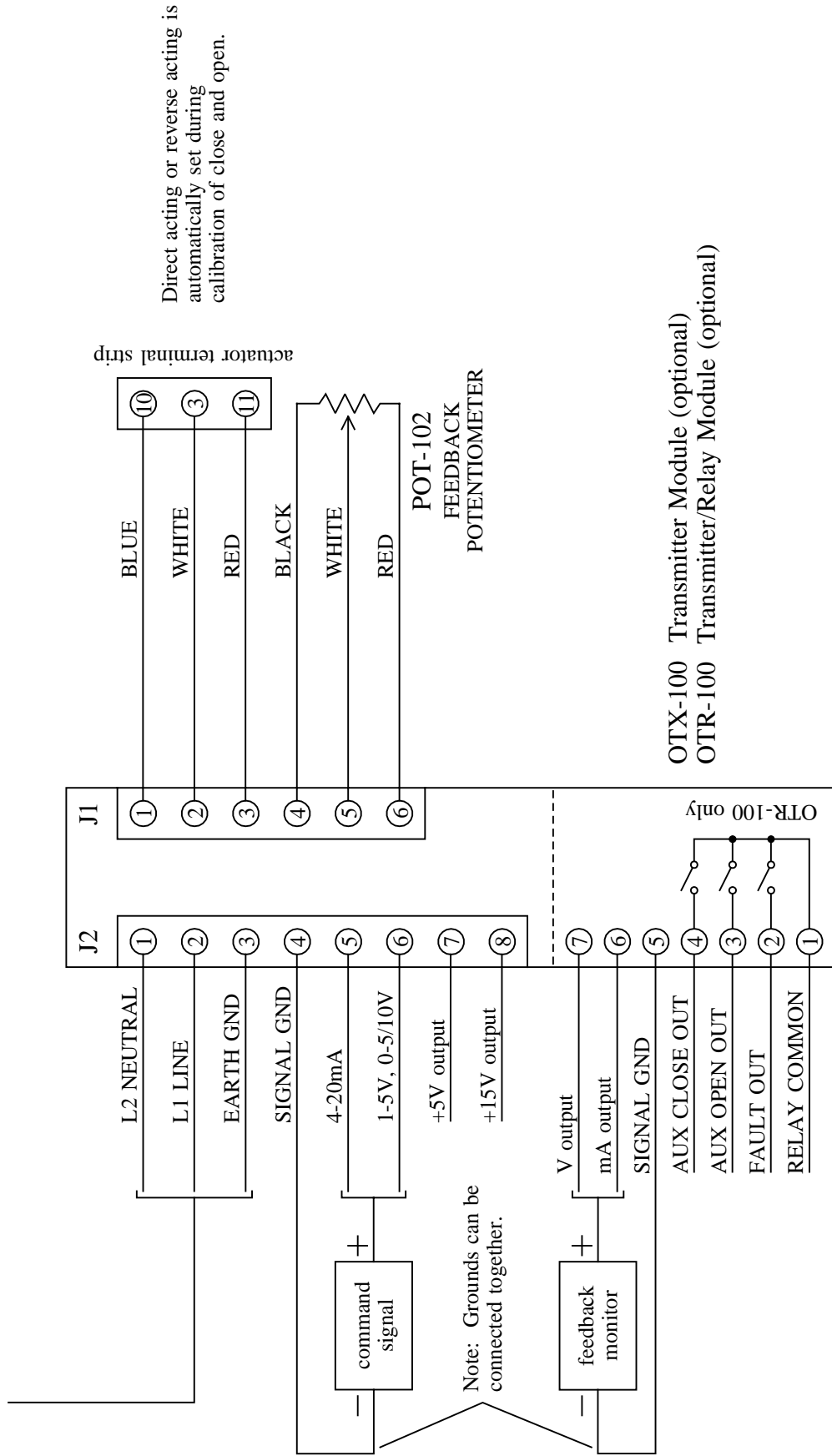


# AC DIGITAL POSITIONERS

## WIRING DIAGRAM

Noah NA15, 19, 28, 38, 50, 60, 80, 100, 150, 200, 250 Actuators

117VAC DHC-100  
234VAC DHC-100A



OTX-100 Transmitter Module (optional)  
OTR-100 Transmitter/Relay Module (optional)

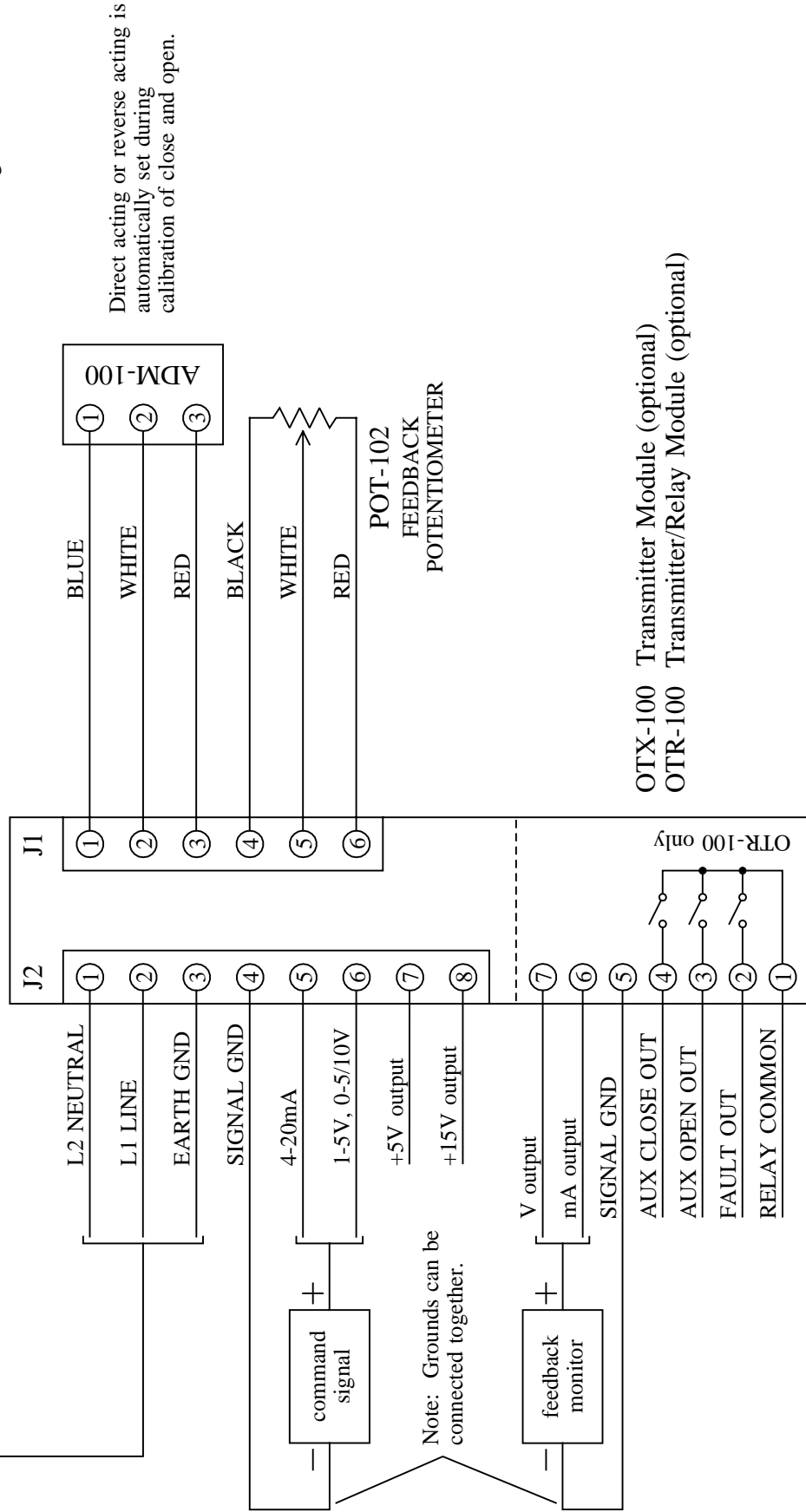
# 24VAC DIGITAL POSITIONER

## WIRING DIAGRAM

Noah NA15, 19, 28 Actuators

24VAC DHC-100B

NOTE: This application uses a 24VDC actuator with an ADM-100 AC to DC Module installed. See ADM-100 wiring.



Direct acting or reverse acting is automatically set during calibration of close and open.

OTX-100 Transmitter Module (optional)  
OTR-100 Transmitter/Relay Module (optional)

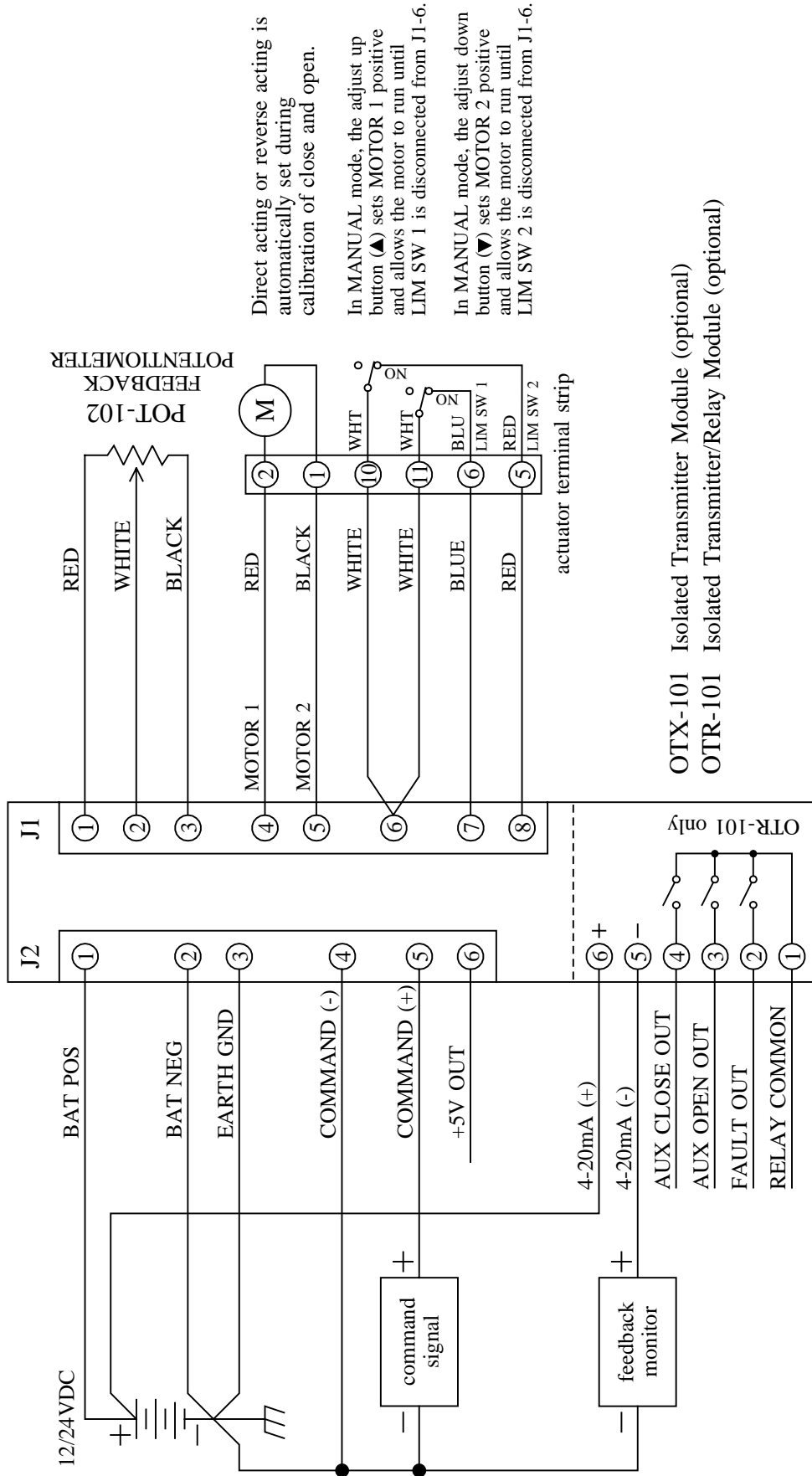


# DC DIGITAL POSITIONER

WIRING DIAGRAM

Noah NA15, 19, 28 Actuators

DHC-400



Direct acting or reverse acting is automatically set during calibration of close and open.

In MANUAL mode, the adjust up button (▲) sets MOTOR 1 positive and allows the motor to run until LIM SW 1 is disconnected from J1-6.

In MANUAL mode, the adjust down button (▼) sets MOTOR 2 positive and allows the motor to run until LIM SW 2 is disconnected from J1-6.

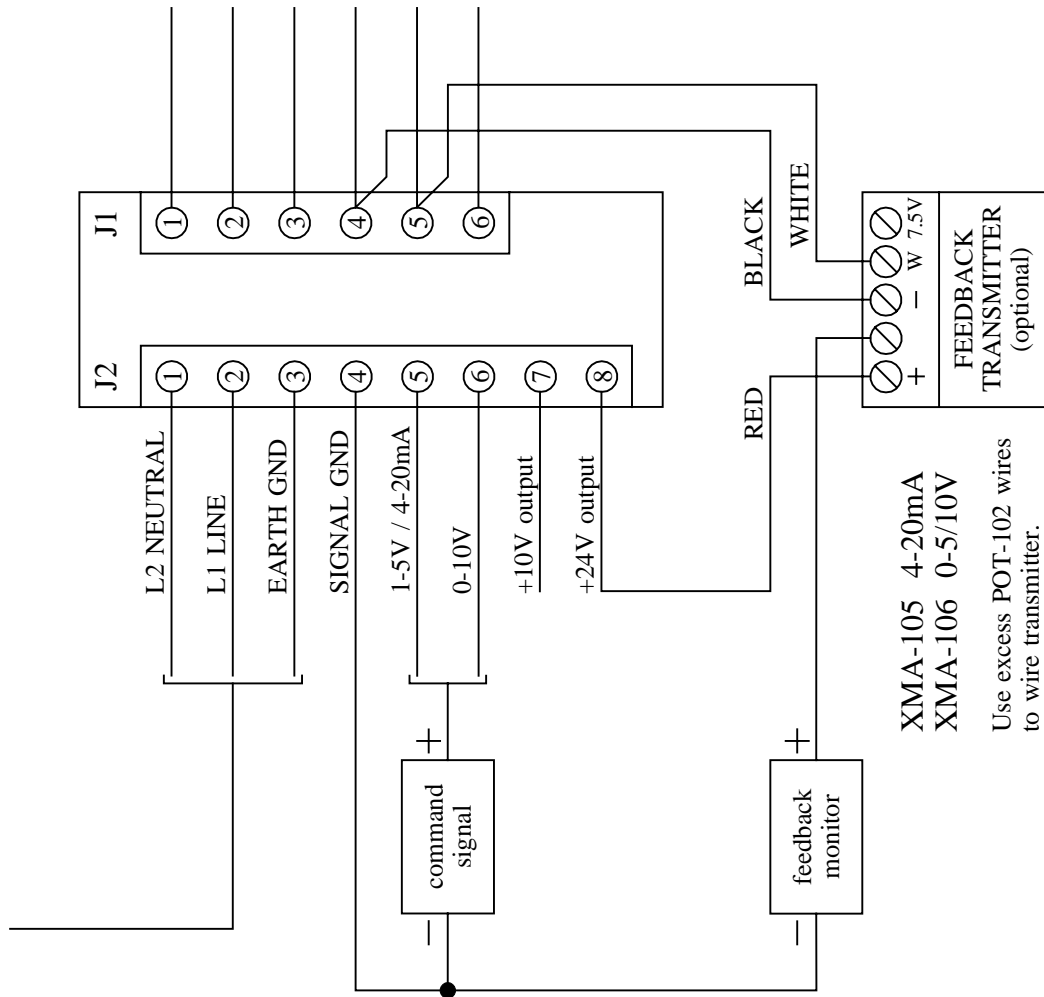
OTX-101 Isolated Transmitter Module (optional)  
 OTR-101 Isolated Transmitter/Relay Module (optional)

# AC ANALOG / LOG RATE POSITIONERS (standard)

## WIRING DIAGRAM

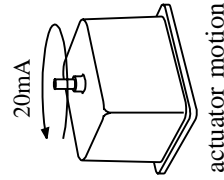
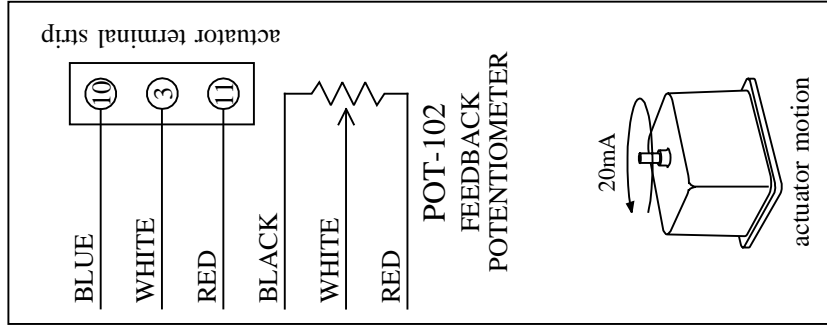
Noah NA15, 19, 28, 38, 50, 60, 80, 100 Actuators

117VAC AMC-101A / LRC-101A / LRC-101G  
 234VAC AMC-101C / LRC-101B / LRC-101H

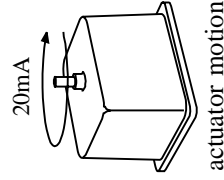
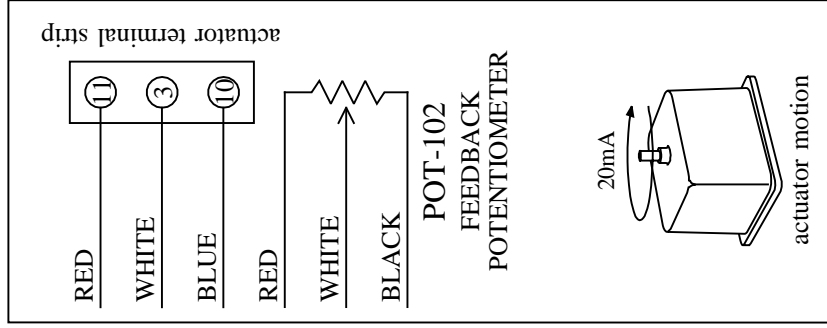


XMA-105 4-20mA  
 XMA-106 0-5/10V

Use excess POT-102 wires to wire transmitter.



DIRECT ACTING



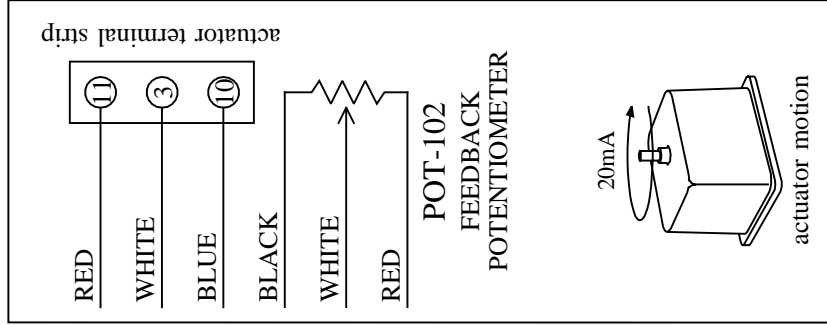
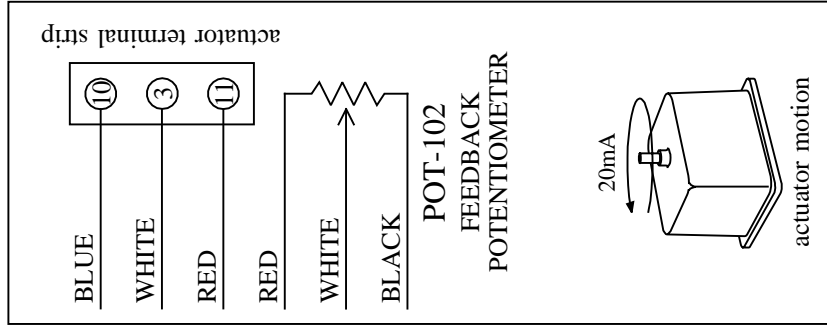
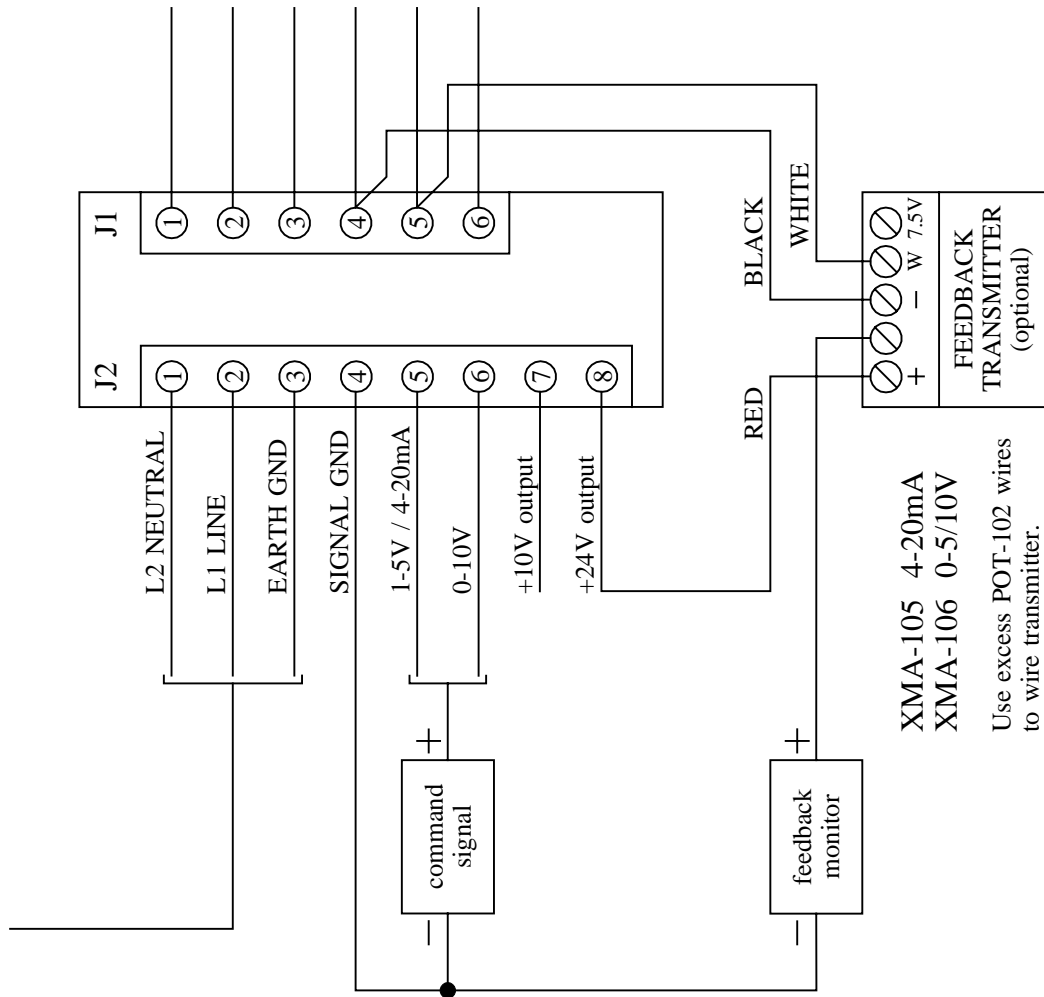
REVERSE ACTING

# AC ANALOG / LOG RATE POSITIONERS (standard)

## WIRING DIAGRAM

Noah NA150, 200, 250 Actuators

117VAC AMC-101A / LRC-101A / LRC-101G  
 234VAC AMC-101C / LRC-101B / LRC-101H



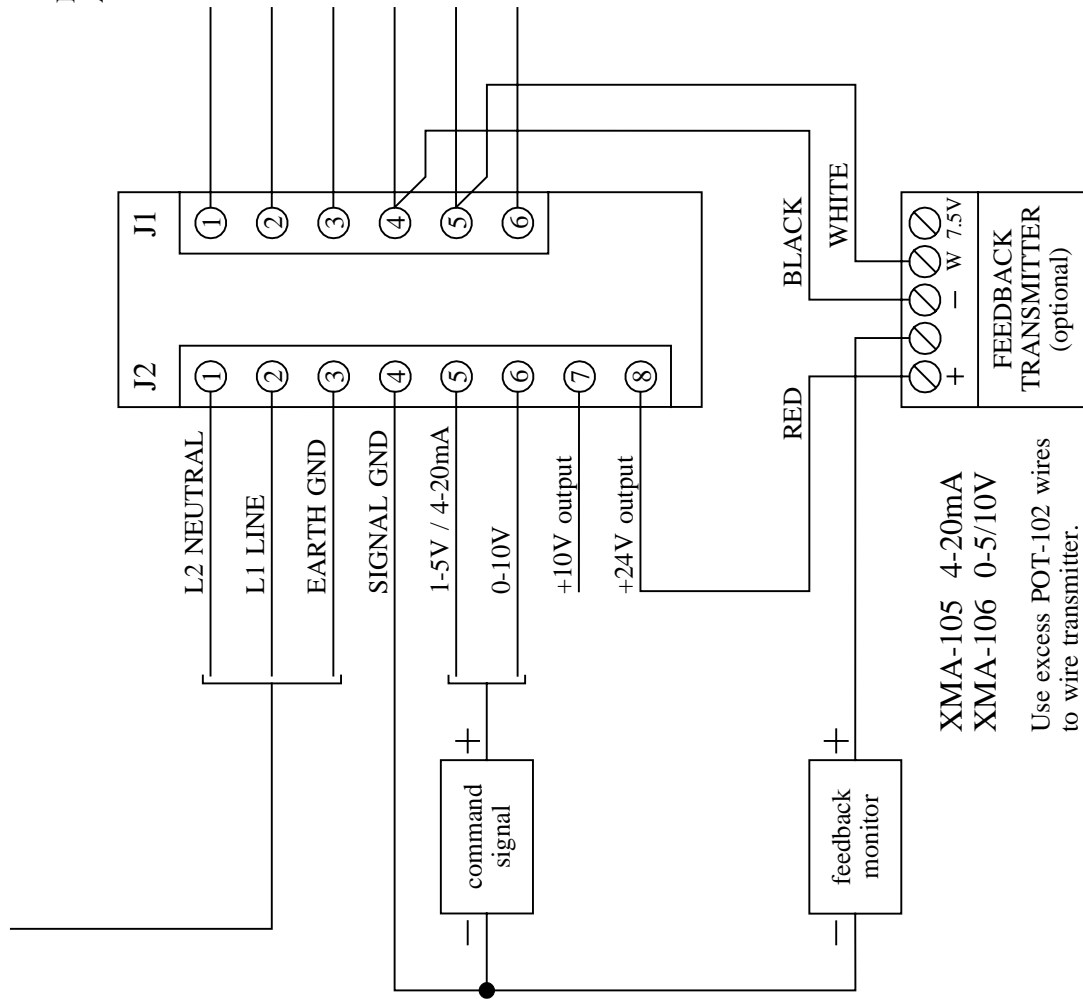
XMA-105 4-20mA  
 XMA-106 0-5/10V  
 Use excess POT-102 wires to wire transmitter.

# 24VAC ANALOG / LOG RATE POSITIONERS (standard)

## WIRING DIAGRAM

Noah NA15, 19, 28 Actuators

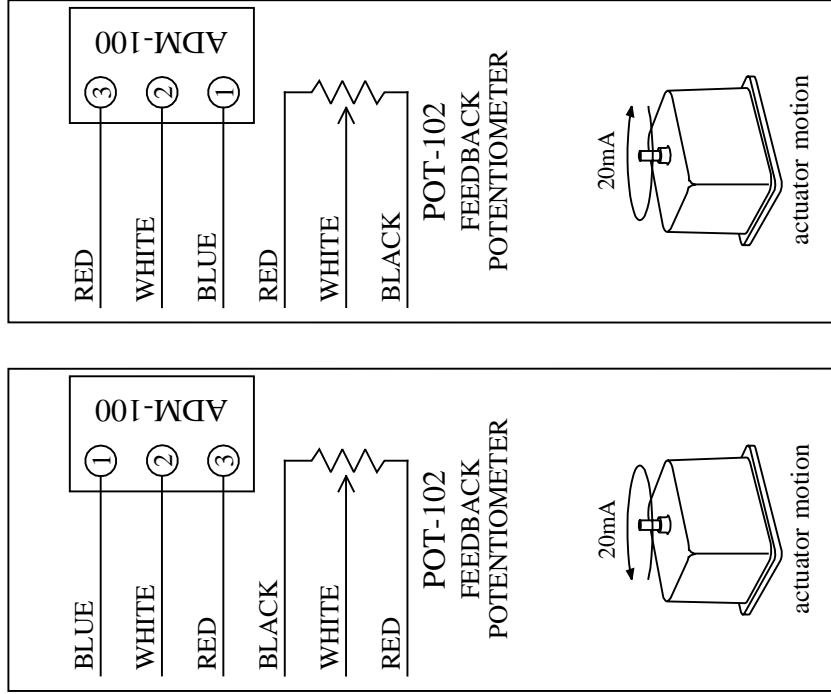
24VAC AMC-101E / LRC-101C / LRC-101I



XMA-105 4-20mA  
XMA-106 0-5/10V

Use excess POT-102 wires to wire transmitter.

NOTE: This application uses a 24VDC actuator with an ADM-100 AC to DC Module installed. See ADM-100 wiring.

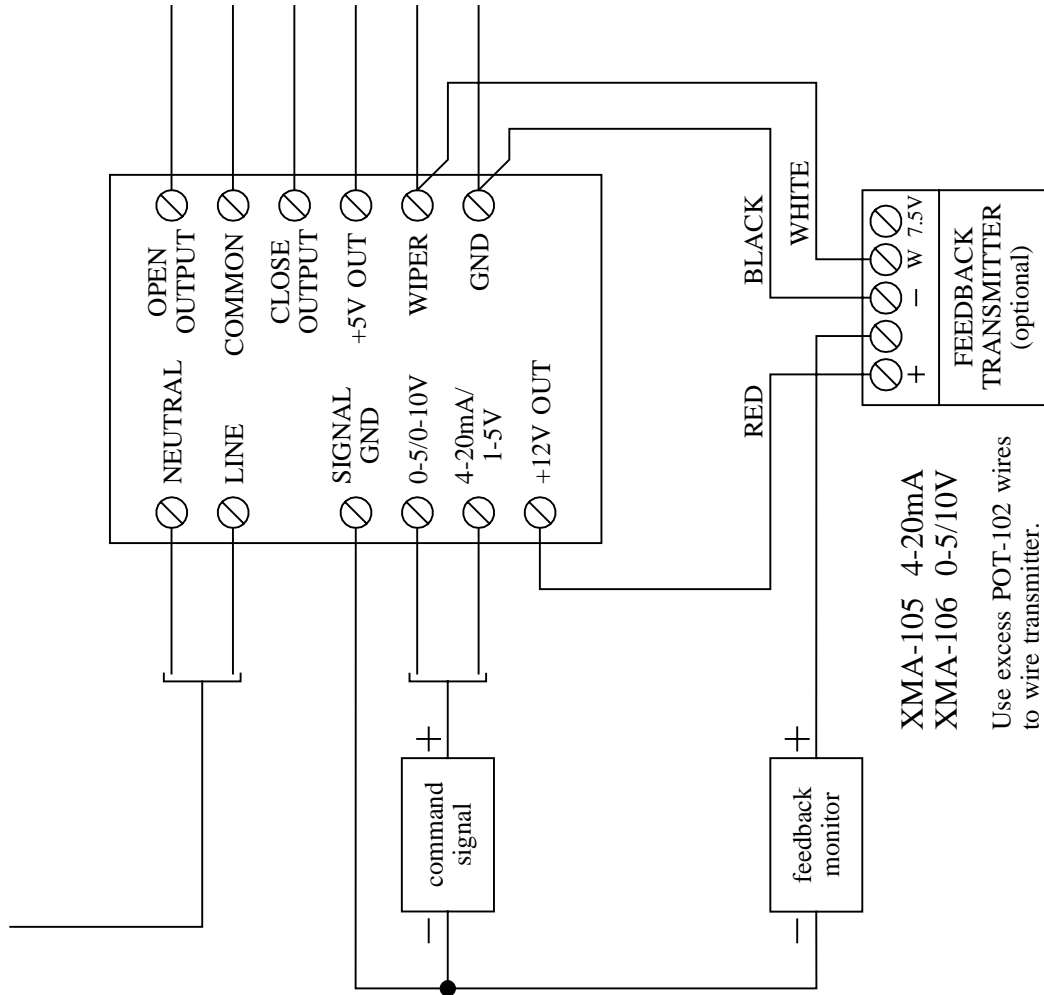


# AC ANALOG POSITIONERS (miniature)

## WIRING DIAGRAM

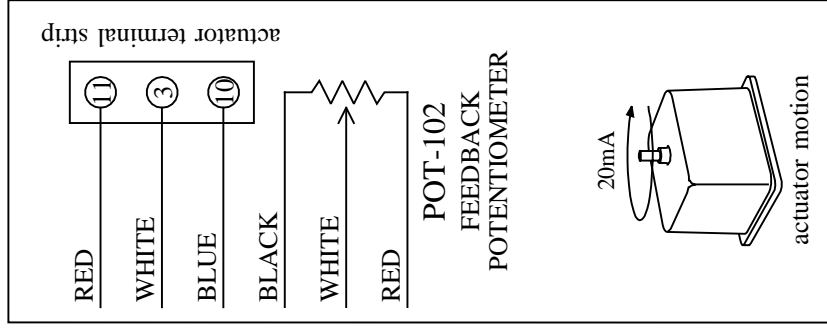
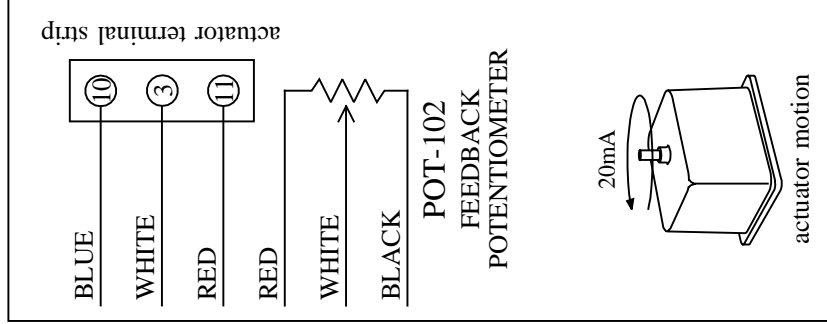
Noah NA15, 19, 28 Actuators

117VAC AMC-103  
234VAC AMC-103A



XMA-105 4-20mA  
XMA-106 0-5/10V

Use excess POT-102 wires to wire transmitter.

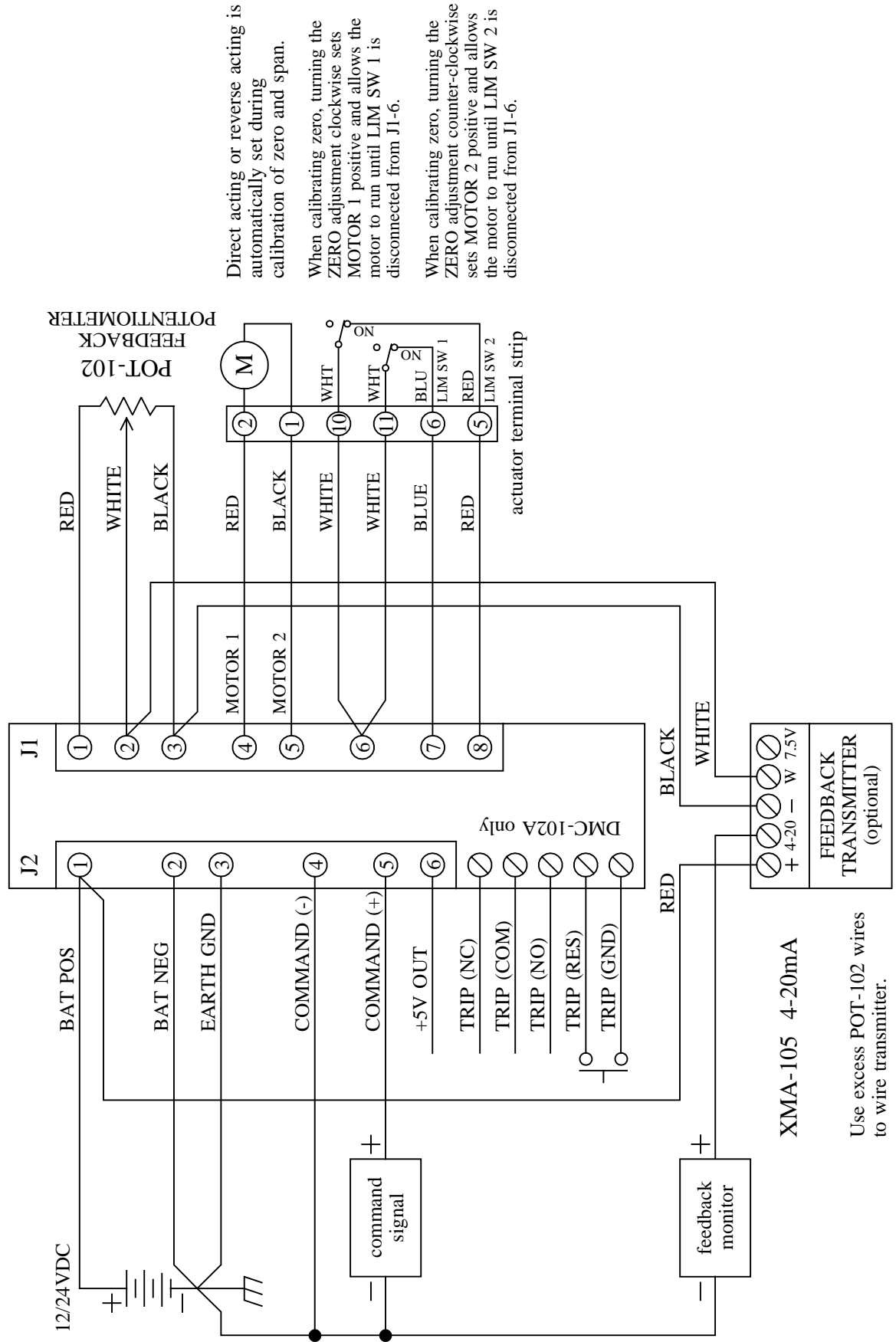


# DC ANALOG POSITIONERS

## WIRING DIAGRAM

Noah NA15, 19, 28 Actuators

DMC-102 / DMC-102A



Direct acting or reverse acting is automatically set during calibration of zero and span.

When calibrating zero, turning the ZERO adjustment clockwise sets MOTOR 1 positive and allows the motor to run until LIM SW 1 is disconnected from J1-6.

When calibrating zero, turning the ZERO adjustment counter-clockwise sets MOTOR 2 positive and allows the motor to run until LIM SW 2 is disconnected from J1-6.

XMA-105 4-20mA

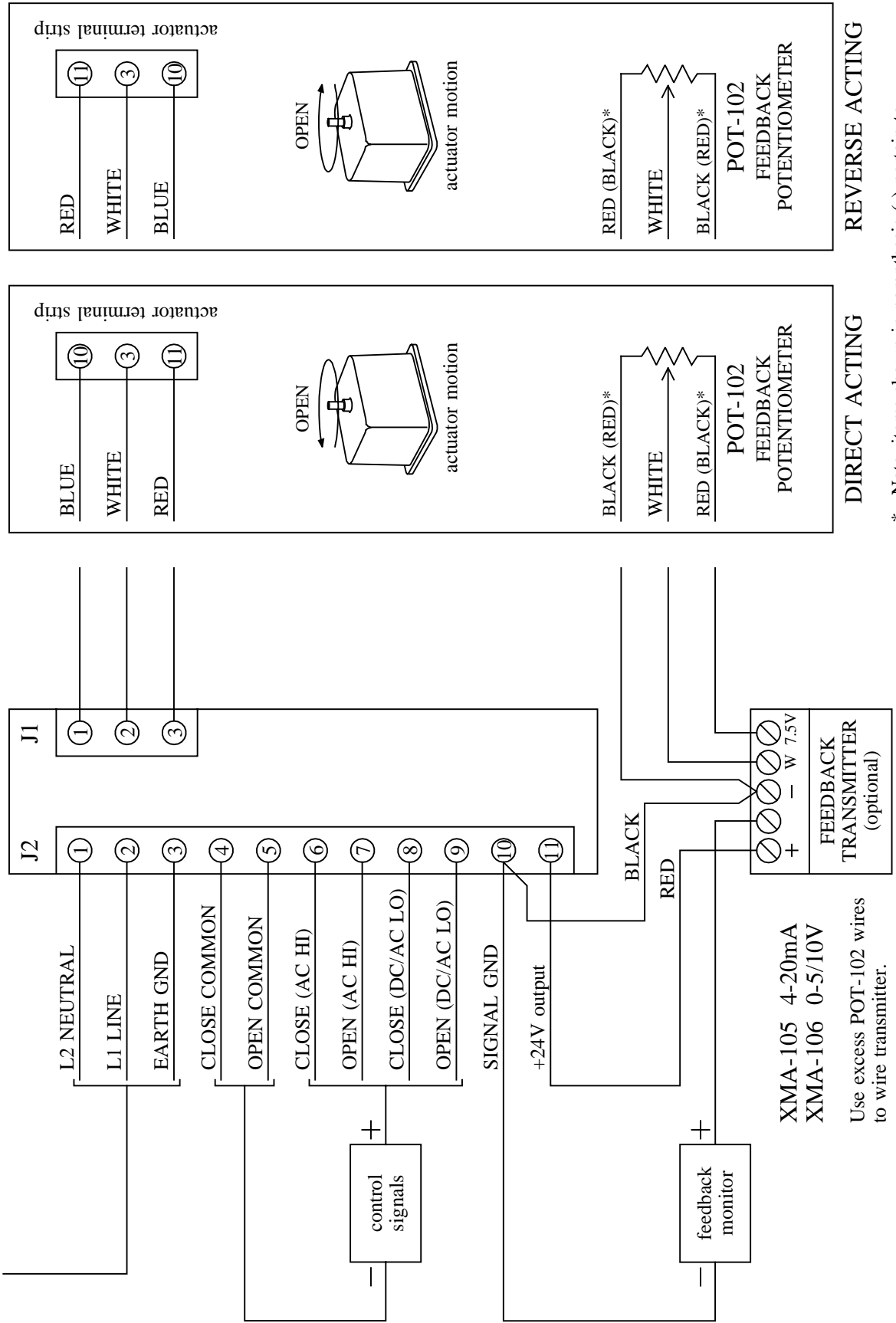
Use excess POT-102 wires to wire transmitter.

# AC ON/OFF CONTROLLERS

## WIRING DIAGRAM

Noah NA15, 19, 28, 38, 50, 60, 80, 100, 150, 200, 250 Actuators

117VAC AMI-103  
234VAC AMI-103A



XMA-105 4-20mA  
XMA-106 0-5/10V

Use excess POT-102 wires to wire transmitter.

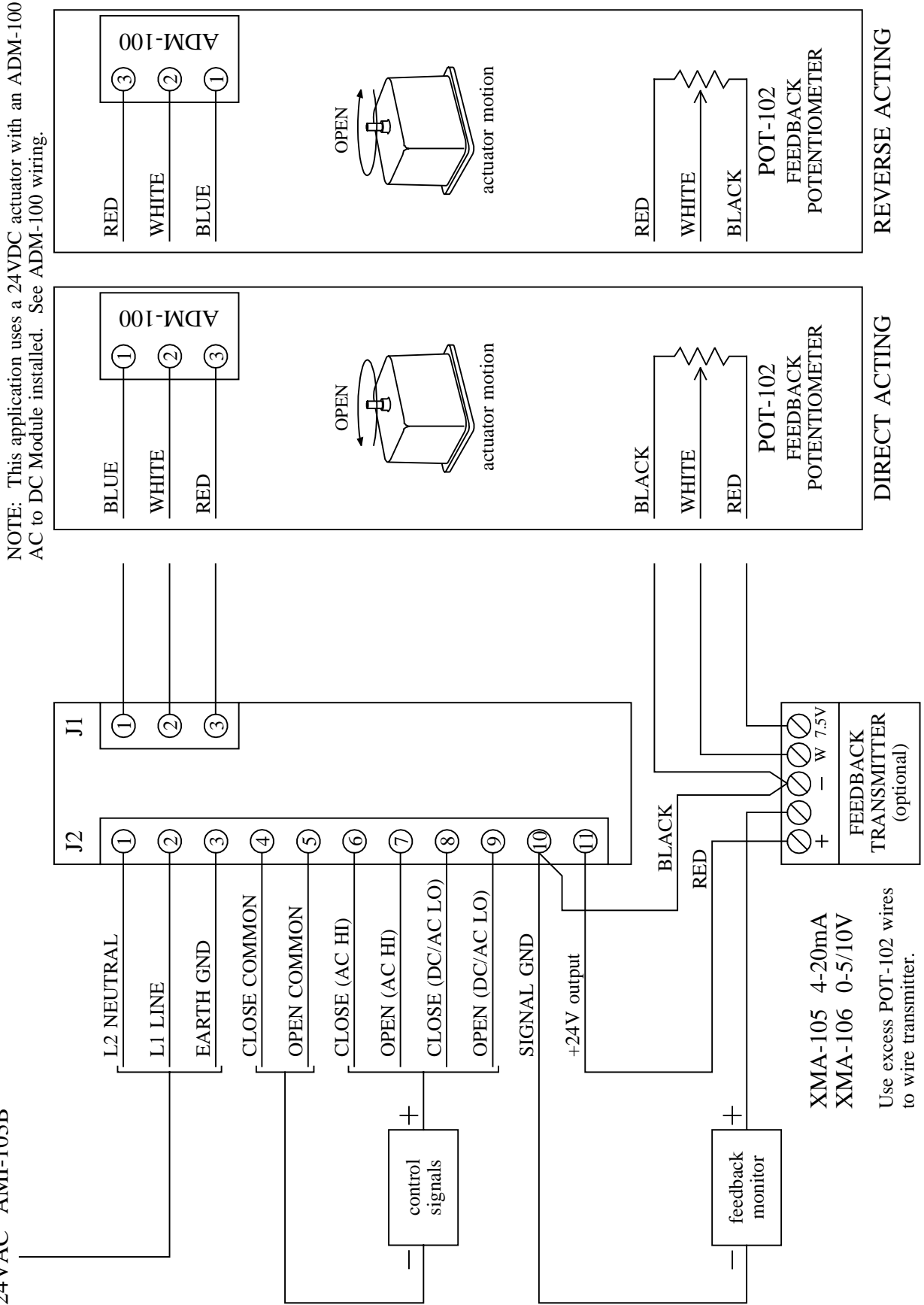
\* Note, items shown in parenthesis ( ) pertain to NA150, 200, and 250 only.

# 24VAC ON/OFF CONTROLLERS

## WIRING DIAGRAM

Noah NA15, 19, 28 Actuators

24VAC AMI-103B



XMA-105 4-20mA  
 XMA-106 0-5/10V  
 Use excess POT-102 wires to wire transmitter.

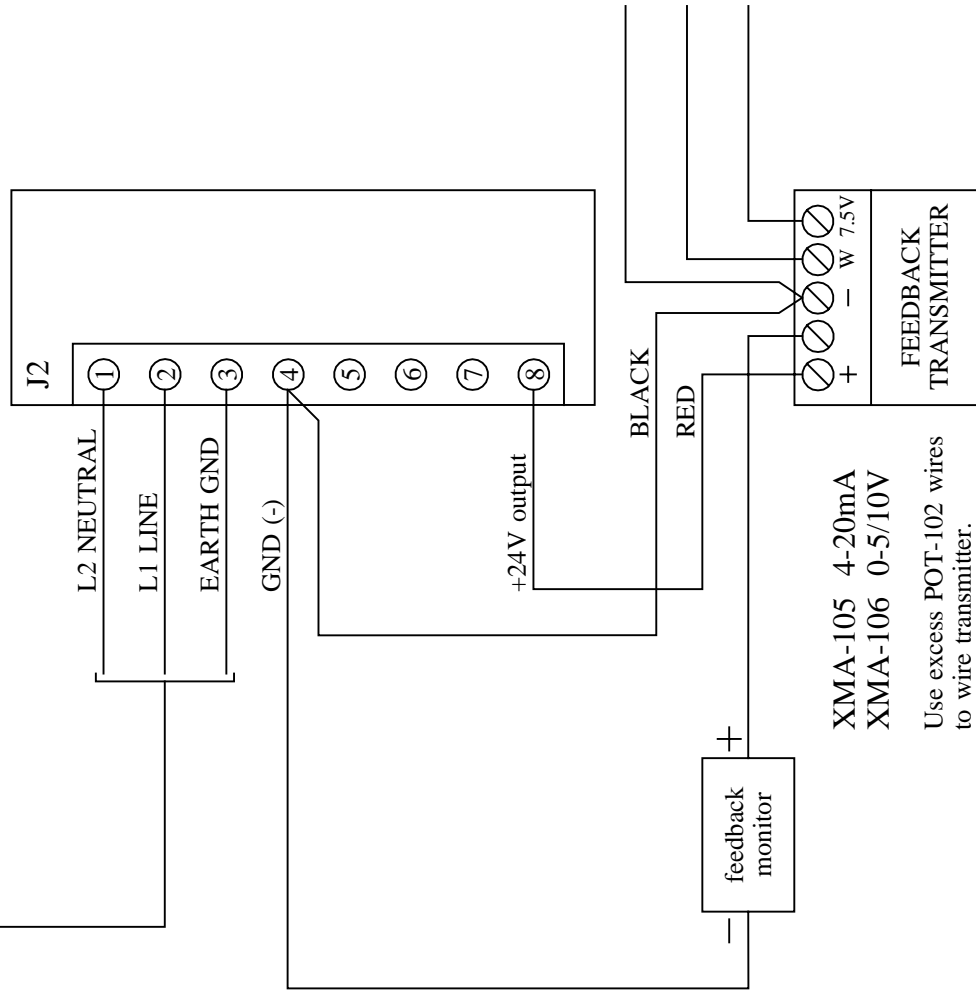


# FEEDBACK TRANSMITTERS (powered)

## WIRING DIAGRAM

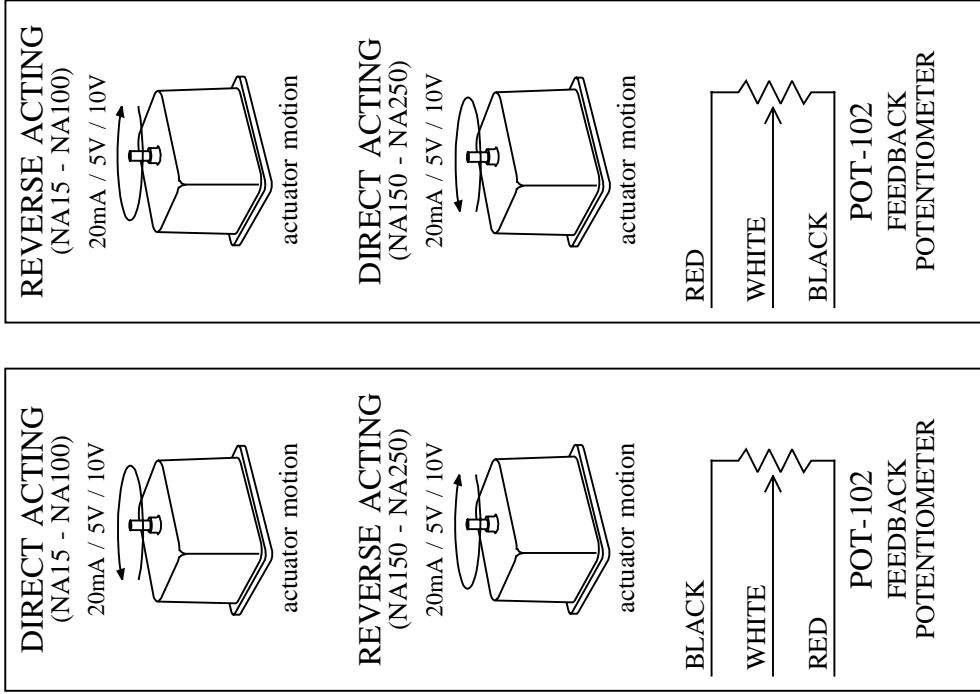
Noah NA15, 19, 28, 38, 50, 80, 80, 100, 150, 200, 250 Actuators

117VAC PWR-102  
234VAC PWR-102A



XMA-105 4-20mA  
XMA-106 0-5/10V

Use excess POT-102 wires to wire transmitter.



# FEEDBACK TRANSMITTER (loop powered)

WIRING DIAGRAM

Noah NA15, 19, 28, 38, 50, 60, 80, 100, 150, 200, 250 Actuators

