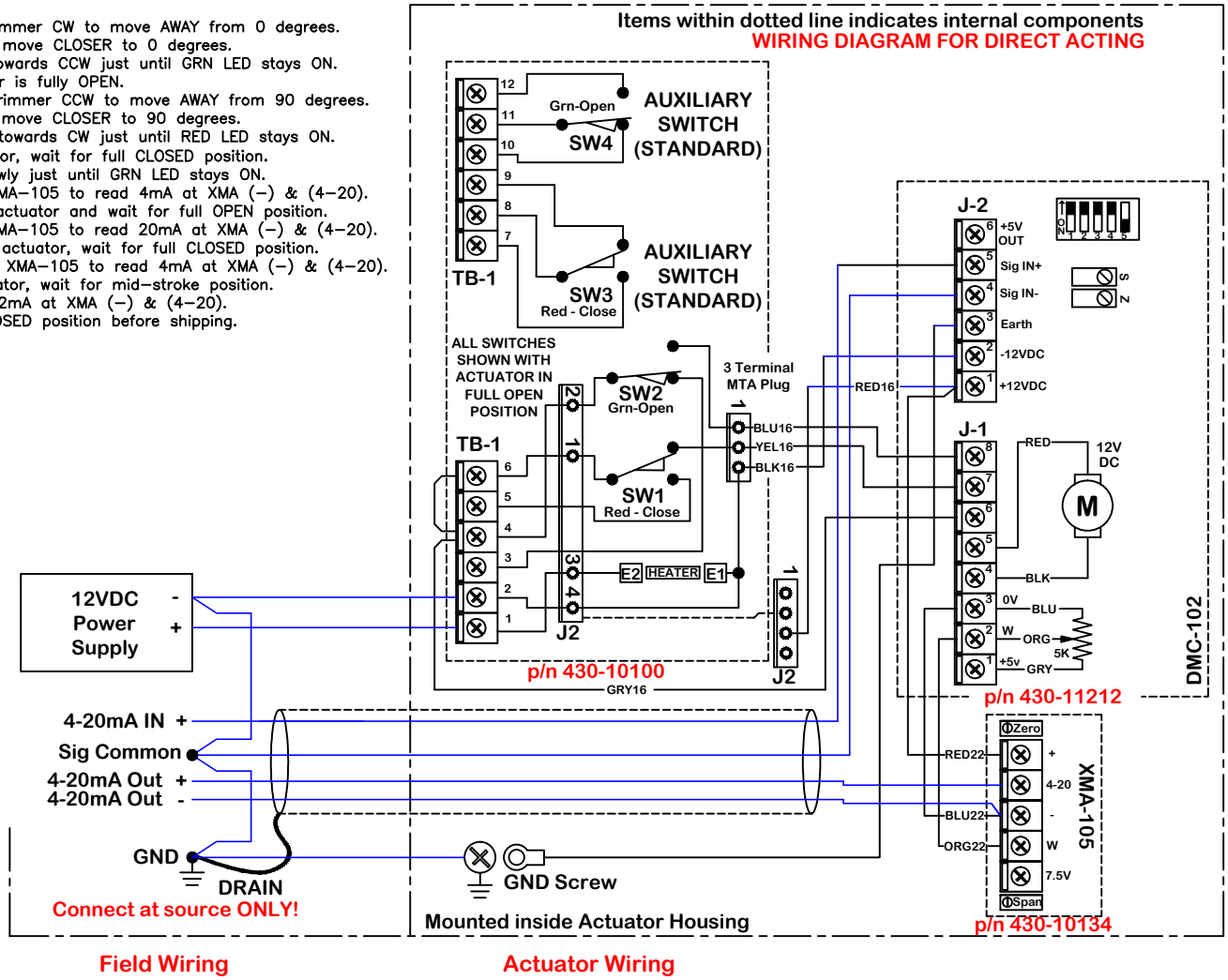
Factory Calibration Steps:
1. Actuator is in full CLOSED position.
2. Disconnect BLK motor wire from terminal J1T4.
3. Connect 12vdc to switch card (+ on 1, – on 2)
4. Set FB Pot to 0.300V as measured on J1T3 and J1T2 (+)
5. Reconnect BLK motor wire to J1T4.
6. Connect 4mA signal input.
7. On DMC–102, turn ZERO trimmer CW to move AWAY from 0 degrees.
8. Turn ZERO trimmer CCW to move CLOSER to 0 degrees.
9. Turn ZERO trimmer slowly towards CCW just until GRN LED stays ON.
10. 20mA signal input, actuator is fully OPEN.
11. On DMC–102, turn SPAN trimmer CCW to move AWAY from 90 degrees.
12. Turn SPAN trimmer CW to move CLOSER to 90 degrees.
13. Turn SPAN trimmer slowly towards CW just until RED LED stays ON.
14. Input 4mA signal to actuator, wait for full CLOSED position.
15. Touchup ZERO trimmer slowly just until GRN LED stays ON.
16. Adjust ZERO trimmer on XMA–105 to read 4mA at XMA (–) & (4–20).
17. Input 20mA signal to the actuator and wait for full OPEN position.
18. Adjust SPAN trimmer on XMA–105 to read 20mA at XMA (–) & (4–20).
19. Again input 4mA signal to actuator, wait for full CLOSED position.
20. Readjust ZERO trimmer on XMA–105 to read 4mA at XMA (–) & (4–20).
21. Input 12mA signal to actuator, wait for mid–stroke position.
22. Check XMA–105 to read 12mA at XMA (–) & (4–20).
23. Return actuator to full CLOSED position before shipping.



Actuator ships in fully closed position!

Use For:

P2/3-12PN4-DC (4-20mA)

rev	change date	revision	name
c	06.29.2015	New Document for updated product New DMC102 board used	KHL
d			
e			
f			
g			
h			
i			
j	.		

naming

material no

ind

Wiring Diagram material

dwn by: BJW

Date 9.2.2011

scale NONE

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6/29/2015 1:40 PM

Wiring Diagram for Proportional Control.
P2~P3 Series 12VDC

WD-850-21301

Uses DMC-102

REV C

WD–850–21301.dwg

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