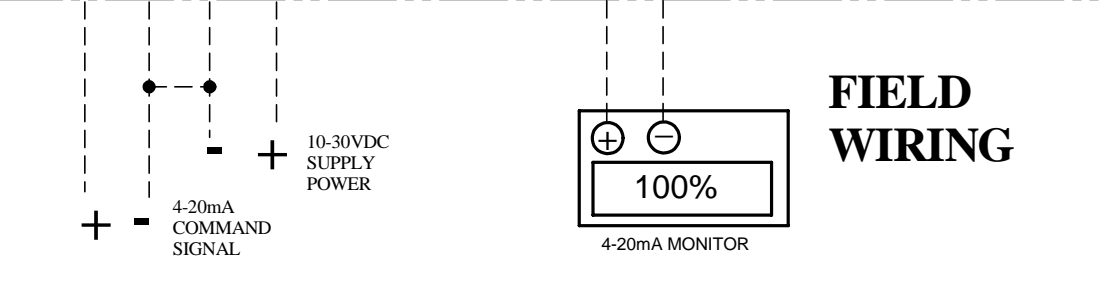
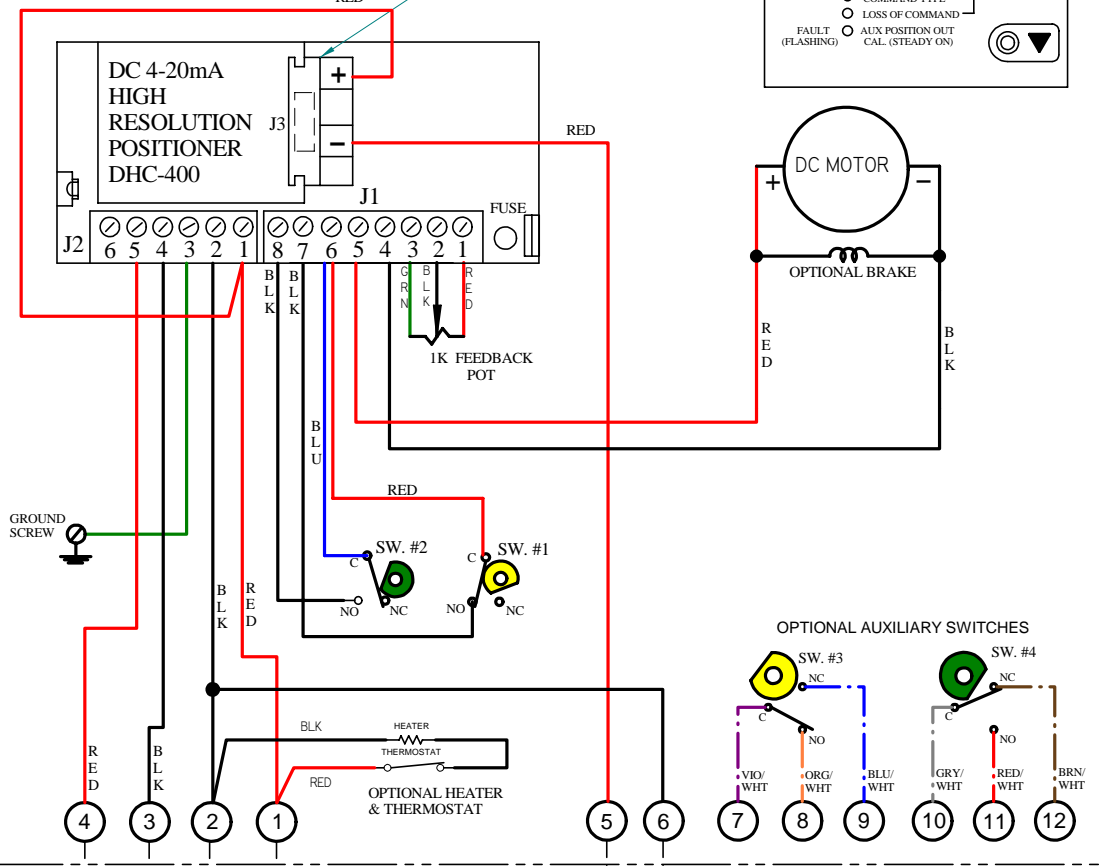
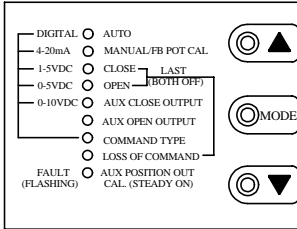


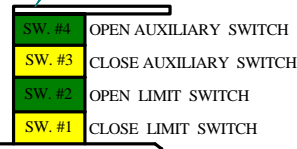
FOR 12VDC "L" SERIES ACTUATORS, USE #16AWG WIRE FOR POWER AND MOTOR.

PLUG IN TRANSMITTER BOARD; OTX-101



FIELD WIRING

USE STABILIZER BRACKET WITH 4 OR MORE SWITCHES IN A STACK



SWITCH LAYOUT

NOTE:

ACTUATOR SHIPPED IN OPEN POSITION. 20mA REPRESENTS FULL OPEN POSITION. DO NOT ADJUST FEEDBACK POTENTIOMETER - IT IS FACTORY SET AND DOES NOT REQUIRE CALIBRATION.

USER IS REQUIRED TO MAKE SURE THAT THE DC POWER GROUND (-) AND THE CONTROL SIGNAL GROUND(-) ARE TIED TOGETHER.

TO CALIBRATE:

THE MODE BUTTON SELECTS A FUNCTION AND THE INDICATOR FOR THE SELECTED MODE TURNS ON STEADY. PUSHING THE MODE BUTTON SAVES ANY NEW SETTING OF THE CURRENT MODE BEFORE SWITCHING TO THE NEXT MODE. THE ADJUST UP AND ADJUST DOWN BUTTONS ARE USED TO MAKE ADJUSTMENTS TO CURRENT MODE.

1. Before applying power ensure that the actuator is properly mounted and wired.
2. Apply power to the actuator, there is no need for a 4-20mA signal during calibration.
3. Push the mode button until the yellow "MANUAL/FB POT CAL" LED is illuminated.
NOTE: The LED may be flashing at different speeds through the next several steps.
4. Use the adjust up/down buttons to move the actuator and verify that the limit switches are set past the desired open and close position, when satisfied move the actuator to mid stroke.
5. If LED is solid move to step #7.
6. If LED is flashing, loosen the potentiometer gear on the actuator shaft and rotate the potentiometer gear until the LED is not flashing, this indicates the center of the potentiometer travel. Note that the LED will flash at a slower rate the farther away from the mid position it gets. Once the LED is on solid tighten the potentiometer gear on the actuator shaft.
7. Push the mode button until the "CLOSE" LED illuminates, use the adjust up/down buttons to drive the actuator to the desired close position. Be sure the close limit switch is pressed in to close the circuit.
8. Push the mode button until the "OPEN" LED illuminates, use the adjust up/down buttons to drive the actuator to the open position. Be sure the open limit switch is pressed in to close the circuit.
9. OTX-101 option is installed - follow the Transmitter Board Setup in the manual.
10. Push the mode button until "COMMAND TYPE" LED illuminates use the adjust up/down buttons to select the correct input signal (4-20mA, 1-5Vdc, 0-5Vdc, 0-10Vdc or digital). If 0-5Vdc or 0-10Vdc is selected, the LOSS OF COMMAND feature is not available if selected proceed to step 12.
11. Push the mode button until the "LOSS OF COMMAND" LED illuminates, this determines the position of the actuator upon loss of command signal. Use the adjust up/down buttons to select close position.
12. Push mode button until "AUTO" LED illuminates, calibration is complete. If command signal wiring was not connected do so now. If command wiring was connected the actuator should have moved to that position.

REV.	DESCRIPTION	DATE	BY
1	MODIFIED XMITTR WIRING OTX-101; WAS 5 & 6	19APR16	WJR
2	CHANGED AUXILIARY SWITCH WIRE COLORS	13JUN16	WJR
3	REWIRING FOR TRANSMITTER; + TO MAIN PWR	29AUG16	WJR
4	SWAP SWITCH WIRING; OPEN WAS TERMINAL 7 & CLOSE WAS TERMINAL 8	07JUL20	WJR

Indelac Controls, Inc. Florence, Ky. 41042		
WIRING DIAGRAM, DC ACTUATOR WITH HIGH RESOLUTION 4-20mA POSITIONER WITH PLUG IN 4-20mA TRANSMITTER OPTION & 2 AUX SWITCHES		
WJR	04SEP15	W150904