



SW #2 AUX. OPEN SWITCH
SW #1 AUX. CLOSE SWITCH

- INSTRUCTIONS:**
 This actuator has been set at the factory. If calibration is required after the valve is installed, it is not necessary to adjust the potentiometer or limit switches.
1. Apply DC power to terminals 1 & 2.
 2. Push MODE button until yellow "MANUAL/FB POT CAL" LED is illuminated. The LED may be flashing through the next several steps.
 3. Using the UP & DOWN buttons, operate the actuator to the mid position.
 4. If the LED is solid proceed to step 7.
 5. If LED is flashing, loosen the set screw in potentiometer gear on the drive shaft and rotate gear until LED is no longer flashing. NOTE: The farther away from the potentiometer mid position the slower the flashing becomes.
 6. Tighten set screw in potentiometer. The solid LED indicates that the potentiometer is set in the mid position.
 7. Push MODE button until the "CLOSE" LED is illuminated. Use the up/down buttons to drive the actuator to the desired position. Be sure that the close limit switch is pressed in.
 8. Push the "MODE" button until the "OPEN" LED is illuminated. Use the up/down buttons to drive the actuator to the desired position. Be sure the open limit switch is pressed in.
 9. Push the mode key until the "Command Type" LED is lit. Push the up/down button to select the appropriate command signal, 4-20mA should be illuminated.
 10. Push MODE button until "LOSS OF COMMAND" LED is illuminated. Use the UP/DOWN buttons to select the failure mode upon loss of command signal, stay in last position, drive open or drive close.
 11. Push the MODE button until the red "AUX POSITION OUT CAL" LED illuminates while the "CLOSE LED" flashes.
 12. Press the MODE button until the "Auto" LED is lit.
 13. Use the OCM-101 Modbus Option Module Manual to complete the set up of the dip switches and programming for Modbus Communications.
 14. Actuator is now calibrated and ready.

ACTUATOR SHOWN IN OPEN POSITION

- NOTES:**
- 1) INPUT POWER SOURCE TO BE 24VDC.
 - 2) MOTOR FUSE IS 5x20mm, 10A, 250VAC. INPUT FUSE IS PICO, TR5 AT 5A, 250VAC.
 - 3) UNIT IS SHIPPED WITHOUT THE BATTERY PLUGGED IN. AFTER INSTALLING UNIT AND CONNECTING INCOMING POWER, PLUG THE POSITIVE BATTERY WIRE PUSH ON TERMINAL ONTO THE RED BATTERY TERMINAL.
 - 4) TO INCREASE OR DECREASE VALVE MOTION, ADJUST PER THE PROCEDURE ABOVE.
 - 5) THE "FAIL" CONDITION IS SET PER THE "LOSS OF COMMAND" PROCEDURE - SEE ABOVE.
 - 6) ACTUATOR WILL FAIL IN THE PROGRAMMED POSITION WHEN THE 4-20mA FAILS.
 - 7) WHEN INCOMING POWER IS PRESENT, BLUE LED WILL BE LIT AND ACTUATOR RUNS OFF OF INCOMING POWER. WHEN INCOMING POWER FAILS, BLUE LED WILL TURN OFF AND THE YELLOW BATTERY LED WILL LIGHT - ACTUATOR WILL NOW RUN OFF OF BATTERY POWER UNTIL INCOMING POWER IS RESTORED.
 - 8) RED LED WILL LIGHT WHEN BATTERY VOLTAGE GETS TOO LOW. GREEN LED WILL LIGHT WHEN BATTERY VOLTAGE IS ABOVE 10.5VDC.

IC I	Indelac Controls, Inc. Florence, Ky. 41042		
	WIRING DIAGRAM, SAFE N SECURE 2000, 24VDC, "L" SERIES; WITH 4-20mA HIGH RESOLUTION POSITIONER AND MODBUS PLUG IN, EXTRA ENCLOSURE, 2 AUX. SWITCHES		
W160607		WJR	07JUN16