



**FIELD WIRING**

**SAFE AND SECURE  
2000 ACTUATOR**

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

**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 THE ZERO OR SPAN POTS ON THE CONTROLLER BOARD.
- 5) THE "FAIL" CONDITION IS SET PER THE DIP SWITCHES ON THE DMC-102 CONTROLLER BOARD - SEE DATA SHEET FOR SETTINGS FOR FAIL OPEN, CLOSE OR FAIL IN PLACE.
- 6) 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.
- 7) RED LED WILL LIGHT WHEN BATTERY VOLTAGE GETS TOO LOW. GREEN LED WILL LIGHT WHEN BATTERY VOLTAGE IS ABOVE 10.5VDC.
- 8) 4-20mA SIGNAL IS DELIVERED TO THE DMC-102 DC BOARD TO OPEN AND CLOSE THE ACTUATOR.
- 9) THE ACTUATOR WILL ONLY "FAIL" TO THE OPEN OR CLOSED POSITION IF THE 4-20mA SIGNAL FAILS OR IS CUT. IF POWER FAILS AND THE 4-20mA SIGNAL IS STILL PRESENT, THE ACTUATOR WILL CONTINUE TO OPERATE OFF OF BATTERY POWER UNTIL THE BATTERY POWER DROPS BELOW 9V.
- 10) DRY CONTACTS ARE PROVIDED TO INDICATE BATTERY STATUS AND INCOMING POWER STATUS. BATTERY STATUS CAN BE CHECKED WITH THE INCOMING POWER ON BY SHORTING THE 2 BATT TEST POINTS J8-1 & 2 MOMENTARILY.

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

<b>IC I</b>	Indelac Controls, Inc. Florence, Ky. 41042		
	WIRING DIAGRAM, SAFE N SECURE 2000, 24VDC, "L" SERIES; 2.9AHR BATTERY, WITH 4-20mA POSITIONER IN ENCLOSURE, 2 AUX. SW.		
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WJR	11FEB16		