

NOTES: (SEE INSTALLATION & OPERATION MANUAL LMENIM 2306 FOR DETAILS)

CIRCUIT SHOWN WITH VALVE IN FULLY CLOSED POSITION AND WITH POWER OFF.

1. REMOTE INPUTS

SIGNAL THRESHOLD - MINIMUM "ON" 19.2V AC/DC
 MAXIMUM "OFF" 5.0V AC/DC
 MAX LOAD - 10 mA / 110V AC
 2 mA / 24V DC

REQUIRED CONTROL SIGNAL DURATION = 350ms MIN.
 INPUTS 0,1,2 ARE FIELD CONFIGURABLE FOR
 CLOSE/OPEN INHIBIT, USER INPUT, OR ESD.
 INPUT 1 MAY ALSO BE CONFIGURED FOR
 PARTIAL STROKE TEST.
 INPUT 2 MAY ALSO BE CONFIGURED FOR CSE
 REMOTE SELECTION INDICATION.
 DEFAULT INPUT CONFIGURATION
 INPUT 0 - ESD,
 INPUT 1 - OPEN INHIBIT,
 INPUT 2 - CLOSE INHIBIT.

2. REMOTE INPUT JUMPERS

JUMPERS CAN BE USER WIRED TO CONNECT DIG COMMONS
 #1, 2 & 3 (AS NEEDED). THE 3 REMOTE WIRING GROUPS
 ARE ELECTRICALLY ISOLATED, INTERNALLY. ONLY A SINGLE
 POWER SOURCE MAY BE USED TO POWER ANY ONE GROUP
 BUT DIFFERENT SOURCES MAY POWER DIFFERENT GROUPS.
 IF DIFFERENT SOURCES ARE USED, ENSURE THAT THE
 POLARITIES ARE CORRECT.

3. DEFAULT [S] SETTINGS

THE DEFAULT OPERATING CONFIGURATION FOR THE
 "S" OUTPUTS ARE SHOWN IN THE TABLE BELOW.
 THE CONTACT STATES SHOWN IN THE SCHEMATIC
 REPRESENT A FULLY CLOSED VALVE.
 SEE OPERATION MANUAL FOR ALTERNATE CONFIGURATIONS.

OUTPUT SWITCH	VALVE POSITION		FUNCTION
	FULL CLOSE	FULL OPEN	
S1a	---	---	CLOSE LIMIT
S1b	---	---	
S2a	---	---	OPEN LIMIT
S2b	---	---	

--- OPEN CONTACT
 █ CLOSED CONTACT

4. MAXIMUM EXTERNAL LOAD

TERMINALS 21 AND 22 (24 VDC)
 - 5W MAX. EXT. LOAD

5. CONTACT RATINGS

S1, S2 - 0.5 AMP @ 125 VAC, 2 AMPS @ 30 VDC (RESISTIVE)
 MONITOR - 0.5 AMP @ 125 VAC, 2 AMPS @ 30 VDC (RESISTIVE)
 R5-R8 - 5 AMPS @ 250 VAC OR 30 VDC (RESISTIVE)

6. COMMAND PRIORITY

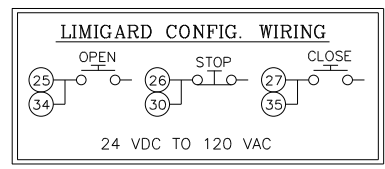
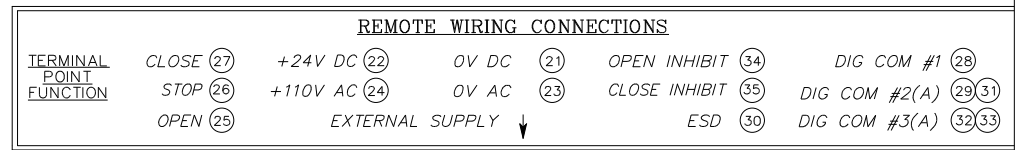
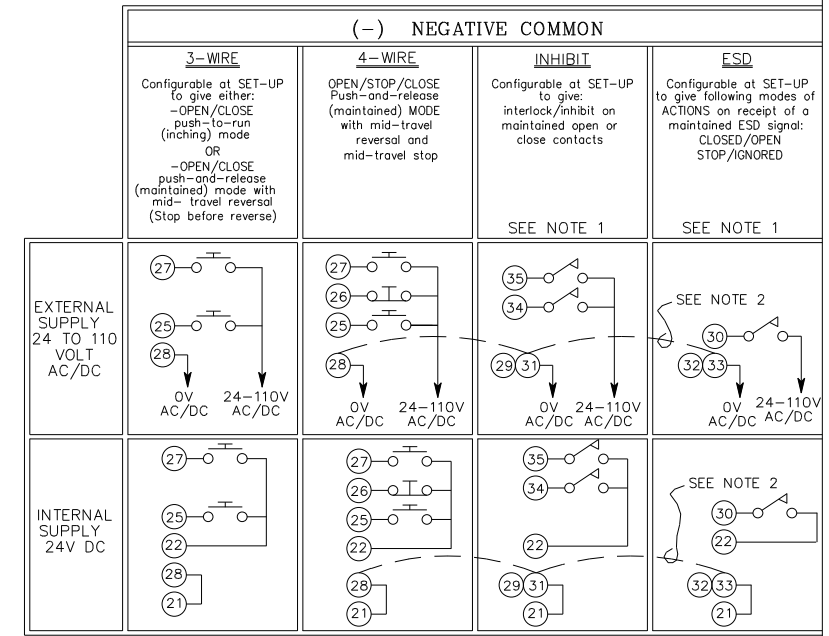
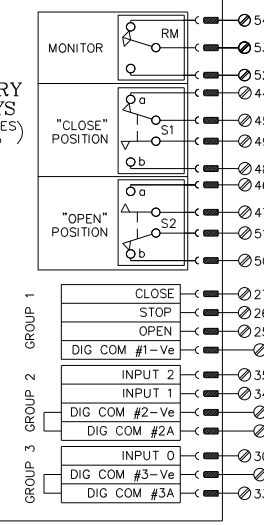
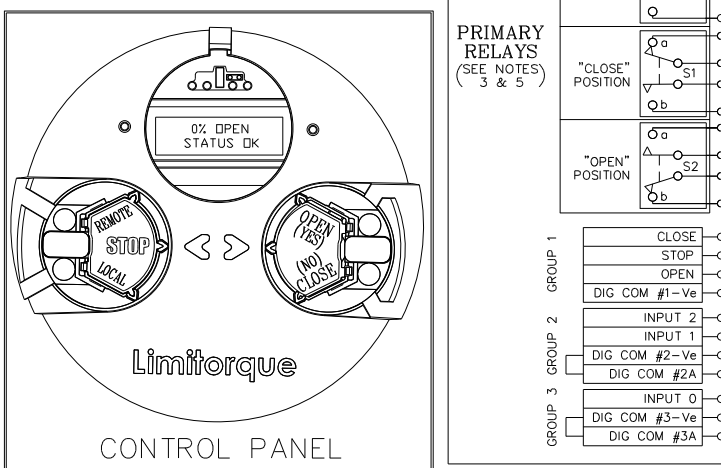
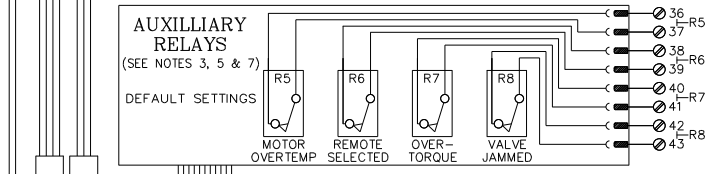
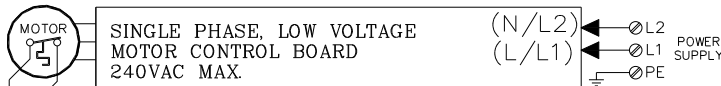
PLEASE SEE INSTALLATION AND OPERATION MANUAL
 LMENIM 2306 FOR NETWORK COMMAND PRIORITIES.

7. RELAY BOARDS

SET JUMPER J1 TO POSITION 3-4 ON THE RELAY BOARD.
 CONNECT 22-PIN CONNECTOR WITH YELLOW WIRES TO J3
 ON THE RELAY BOARD.

8. INPUT LOADS

IMPEDANCE = 150 OHMS
 CAPACITANCE = 0.1 uF 30%
 STANDARD SIGNAL: 4-20 mA



DRAWN	DATE	Limitorque Actuation Systems 5114 WOODALL ROAD, LYNCHBURG, VIRGINIA 24506-1318
RLP	10/30/12	
CHECKED	DATE	TITLE
ZKC	11/01/12	MXa WIRING DIAGRAM
APPROVED	DATE	Modutronic No Analog Single-Phase OB, OS w/opt (4) 5A, (1) 2A monitor relay 3Wire/4Wire
ZKC	11/01/12	UNIT TYPE: MXa DWG NO: WD-MXa-220100-0000 REV: 00H SHEET: 1 OF 1