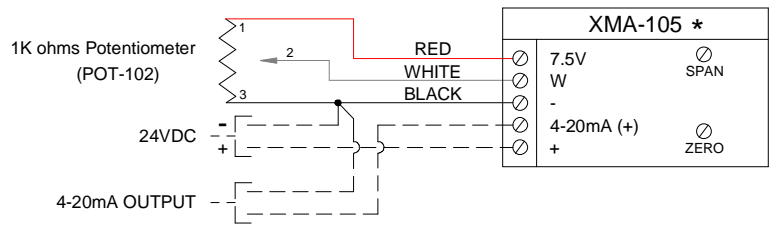


	CLOSE	OPEN
CLS 1-2		
CLS 1-3		
OLS 1-2		
OLS 1-3		
ACLS 1-2		
ACLS 1-3		
AOLS 1-2		
AOLS 1-3		
CTS 1-3	CLOSING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE	
OTS 1-3	OPENING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE	

CLS: CLOSE LIMIT SWITCH (250VAC, 6A MAX)
 OLS: OPEN LIMIT SWITCH (250VAC, 6A MAX)
 CTS: CLOSE TORQUE SWITCH (250VAC, 6A MAX)
 OTS: OPEN TORQUE SWITCH (250VAC, 6A MAX)
 ACLS: AUX. CLOSE LIMIT SWITCH (250VAC, 6A MAX)
 AOLS: AUX. OPEN LIMIT SWITCH (250VAC, 6A MAX)
 TP: THERMAL PROTECTOR (250VAC, 6A MAX)

DENOTES CUSTOMER SUPPLIED ITEM -----
 ACTUATOR SHOWN IN MID POSITION.
 * MAX LOAD RESISTANCE ON XMA-105 IS 300 OHMS



FORUM ENERGY TECHNOLOGIES Valve Solutions
ABZ Valves & Controls

Title: **Wiring Diagram**

Parts:
 ABZ 015 thru ABZ 100 Electric Actuator
 120 VAC Single Phase
 Auxiliary Limit Switches (ON / OFF)
 XMA-105 Feedback Transmitter

DWG No.	Date	Drawn	Checked	Approved	Revision
WSA000-A1A-A1C-X	07-15-14	TP	TP	TH	0