

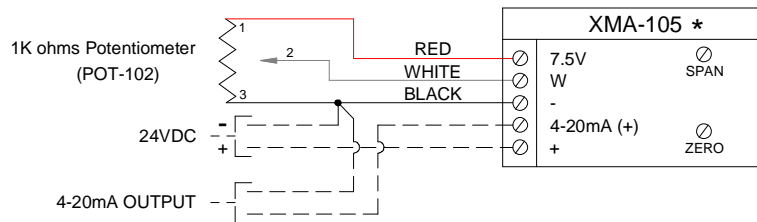
	CLOSE	OPEN
CLS 1-2		
CLS 1-3		
OLS 1-2		
OLS 1-3		
CTS 1-3	CLOSING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE	
OTS 1-3	OPENING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE	

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)  
 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  
 (ON / OFF)  
 XMA-105 Feedback Transmitter

DWG No.	Date	Drawn	Checked	Approved	Revision
WSA000-A1A-C-X	08-30-12	BC	TP	TH	0