



	CLOSE	OPEN
CLS 1-2		
CLS 1-3		
OLS 1-2		
OLS 1-3		
ACLS 1-3		
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, 15A MAX)
 OLS: OPEN LIMIT SWITCH (250VAC, 15A MAX)
 CTS: CLOSE TORQUE SWITCH (250VAC, 15A MAX)
 OTS: OPEN TORQUE SWITCH (250VAC, 15A MAX)
 ACLS: AUX. CLOSE LIMIT SWITCH (250VAC, 15A MAX)
 AOLS: AUX. OPEN LIMIT SWITCH (250VAC, 15A MAX)
 CC: CLOSE MAGNETIC COIL
 OC: OPEN MAGNETIC COIL
 TP: THERMAL PROTECTOR

DENOTES CUSTOMER SUPPLIED ITEM -----

FORUM ENERGY TECHNOLOGIES Valve Solutions
ABZ Valves & Controls

Title: **Wiring Diagram**

Parts:
 ABZ 015 thru ABZ 100 Electric Actuator
 440 VAC Three Phase
 (ON / OFF)
 Auxiliary Limit Switches
 XMA-107 2-Wire Loop Powered
 Feedback Potentiometer Transmitter

DWG No.	Date	Drawn	Checked	Approved	Revision
WSA000-F1A-A1E-X	01-09-13	BC	TP	TH	0