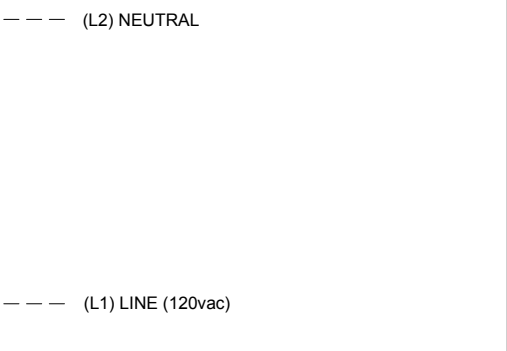


	CLOSE	OPEN
CLS 1-2		
CLS 1-3		
OLS 1-2		
OLS 1-3		
ACL 1-2		
ACL 1-3		
AOLS 1-2		
AOLS 1-3		
CTS 1-3	CLOSING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE	
OTS 1-3	OPENING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE	

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)

\*\* EACH ACTUATOR SHOULD BE POWERED THROUGH ITS OWN INDIVIDUAL SWITCH OR RELAY CONTACTS TO PREVENT TO CROSS-FEED BETWEEN TWO (2) OR MORE ACTUATORS.



DENOTES CUSTOMER SUPPLIED ITEM -----  
 ACTUATOR SHOWN IN MID POSITION.

**FORUM ENERGY TECHNOLOGIES** Valve Solutions  
**ABZ Valves & Controls**

Title: **Wiring Diagram**

Parts:  
 ABZ 015 thru ABZ 250 Electric Actuator  
 120 VAC Single Phase (ON / OFF)  
 Auxiliary Limit Switches  
 Local Control Unit

DWG No.	Date	Drawn	Checked	Approved	Revision
WSB000-A1A-A1-B-X	09-13-12	BC	TP	TH	0