



|         | 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.

**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)

|              |          |       |         |          |          |
|--------------|----------|-------|---------|----------|----------|
| DWG No.      | Date     | Drawn | Checked | Approved | Revision |
| WSB000-A1A-X | 05-18-12 | Tp    | Tp      | TH       | 0        |