



**NOTE**  
After Power supplied (#2&3), please connect #1&4 together. Please make sure that #1&4 is connected and be maintained during supplying power. Connected #1&4 is for usage of battery in case of Power-Failure. Please be noted. If power will not be supplied for a long time, please disconnect #1&4 in order to prolong the life of battery.

**CUSTOMER MUST JUMPER TERMINALS 5, 6 & 9**

**\*\* NOTE \*\***  
Technical Explanation

OLS : OPEN LIMIT SWITCH  
CLS : CLOSE LIMIT SWITCH  
CTS : CLOSE TORQUE LIMIT SWITCH  
CLS : CLOSE TORQUE LIMIT SWITCH  
RL : GREEN LAMP FOR CLOSE BL : BLUE LAMP FOR FAULT  
YL : YELLOW LAMP FOR TERMINAL

BAT : BATTERY LAMP MODE  
BL : GREEN LAMP FULL RECHARGE  
BL : BLUE LAMP MID RECHARGE  
RL : RED LAMP LOW RECHARGE

RL : WHITE LAMP FOR POWER  
BL : BLUE LAMP FOR REMOTE

**\*\* LIMIT SWITCH CONTACT POSITIONS \*\***

| ROTOR | CON. TACT | VALVE OPENING (%) |
|-------|-----------|-------------------|
| OPEN  | 1-3       | 100               |
| OPEN  | 1-3       | 100               |
| CLOSE | 1-3       | 100               |
| CLOSE | 1-3       | 100               |
| CLOSE | 1-2       | 100               |
| CLOSE | 1-2       | 100               |

--- : CONTACT ON  
---- : CONTACT OFF

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|   |            |          |
|---|------------|----------|
| DRAWN<br>SAH  | CHECKED BY | APPROVED |
| DATE<br>01/26/2010  | DATE       | DATE     |
| TITLE<br>BFSM-1350 THRU 2640<br>FAIL SAFE ELECTRIC ACTUATOR |            |          |

|         |          |     |
|---------|----------|-----|
| ECN#    | DATE     | BY  |
| ECN1639 | 10/15/15 | SAH |