

CONTROLLER & ACTUATOR ASS'Y

FIELD WIRING

NFB 250VSA  
L1 110V  
L2 220V

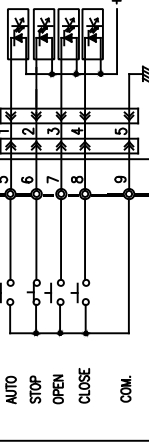
POWER SOURCE	
1# 110V	SMPS1+SMPS2
1# 220V	SMPS1
50/60HZ	

\*\* TERMINAL BLOCK \*\*

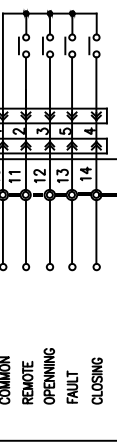
L1	1	13
L2	2	14
	3	15
	4	16
	5	17
	6	18
	7	19
	8	20
	9	21
	10	22
	11	23
	12	24

BATTERY CONNECTION

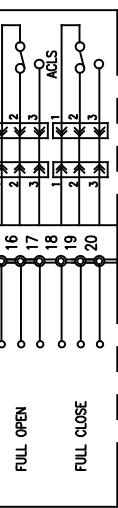
USER REMOTE CONTROL



STATUS CONNECTOR



ADDITIONAL LIMIT SWITCH



**IMPORTANT**  
AFTER POWER SUPPLIED (#2&3) PLEASE CONNECT #1&4 TOGETHER. MAKE SURE THAT #1&4 IS CONNECTED AND THE CONNECTION SHOULD BE MAINTAINED DURING SUPPLYING POWER.  
CONNECTED #1&4 IS FOR USAGE OF BATTERY IN CASE OF POWER-FAILURE  
PLEASE DISCONNECT #1&4 IF POWER IS REMOVED FOR AN EXTEND PERIOD OF TIME TO PROLONGING THE LIFE OF BATTERY.

\*\* NOTE \*\*  
Technical Explanation

- OLS : OPEN LIMIT SWITCH
  - CLS : CLOSE LIMIT SWITCH
  - OTS : OPEN TORQUE LIMIT SWITCH
  - CLS : CLOSE TORQUE LIMIT SWITCH
  - RL : RED LAMP FOR OPEN
  - GL : GREEN LAMP FOR CLOSE
  - YL : YELLOW LAMP FOR FAULT
  - ◎ : MARKS FOR TERMINAL
- 
- BAT : BATTERY LAMP MODE
  - GL : GREEN LAMP FULL RECHARGE
  - BL : BLUE LAMP MID RECHARGE
  - RL : RED LAMP LOW RECHARGE
  - WL : WHITE LAMP FOR POWER
  - BL : BLUE LAMP FOR REMOTE

\*\* LIMIT SWITCH CONTRACT POSITIONS \*\*

ROTOR	CON-FACT	VALVE OPENING (%)
OPEN	T-3	100
CLOSE	T-2	
CLOSE (CLS)	T-3	
CLOSE (CLS)	T-2	

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

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Division of A-T Controls, Inc.  
11363 Deerfield Road  
Cincinnati, Ohio 45242  
Phone: (513) 247-5465  
Fax: (513) 247-5462

DRAWN	SAH	CHECKED BY	APPROVED
DATE	05/05/09	DATE	DATE
TITLE			
BFS-1350 THRU BFS-2640 FAIL SAFE ELECTRIC ACTUATORS BATTERY BACKUP REVISED - BATTERY CONNECTION			

ECN1638	10/15/15	SAH
ECN#	DATE	BY

