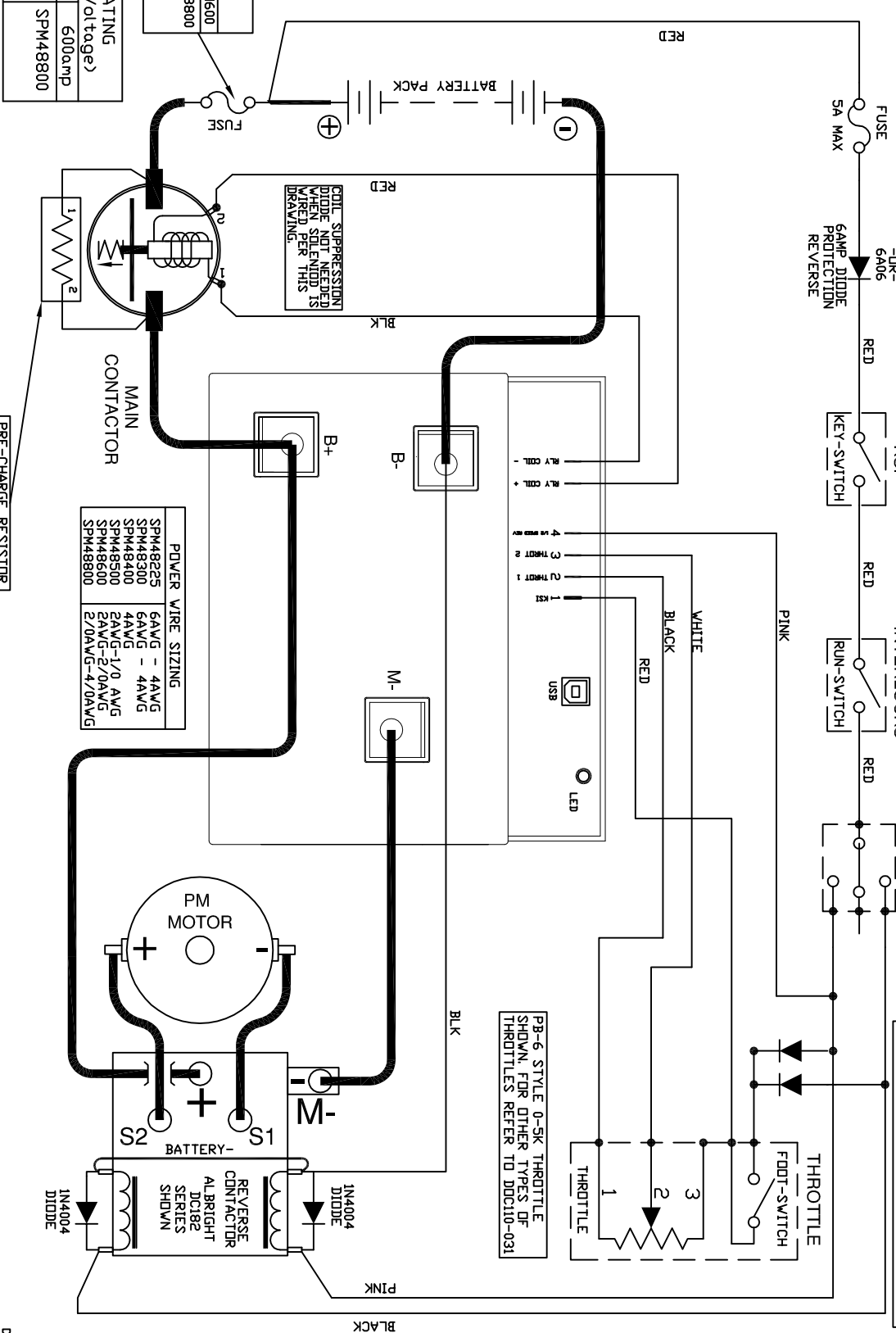


# SPM to PERMANENT MAGNET MOTOR

PART NO. DOC110-005

BATTERY VDC	12-48V	72V
FUSE VDC RATING	60V	100V



FUSE RATING		
ANN250	ANN400	ANN600
SPM48225	SPM48500	SPM48800
SPM48300	SPM48600	
SPM48400		

CONTACTOR RATING (Observe Coil Voltage)		
200amp	400amp	600amp
SPM48225	SPM48500	SPM48800
SPM48300	SPM48600	
SPM48400		

POWER WIRE SIZING	
SPM48225	6AWG - 4AWG
SPM48300	6AWG - 4AWG
SPM48400	6AWG - 4AWG
SPM48500	2AWG - 1/0 AWG
SPM48600	2AWG - 2/0AWG
SPM48800	2/0AWG - 4/0AWG

PRE-CHARGE RESISTOR	
250 ohm	10W (24-36V)
470 ohm	10W (48V)
1000 ohm	10W (72V)

TAB	FUNCTION
1	KSI VOLTAGE THROTTLE
2	THROTTLE
3	1/2 SPEED REVERSE
4	BATTERY POSITIVE
B+	BATTERY NEGATIVE
B-	MOTOR MINUS

NOTES:  
 \* FUSES REQUIRED FOR ALL INSTALLATIONS  
 \* DIODE REQUIRED ACROSS COILS / RELAYS  
 \* PRE-CHARGE RESISTOR REQUIRED  
 \* ASSUMES FOOTSWITCH IS OPEN WHEN THROTTLE OFF  
 \* ALLTRAX RESERVES THE RIGHT TO CHANGE DOCUMENTATION WITHOUT NOTICE  
 \* ALLTRAX MAKES NO WARRANTY AS TO THE ACCURACY, OR OTHER INFORMATION PROVIDED  
 \* SEE OPERATORS MANUAL FOR MORE INFORMATION

REVISIONS			
REV.	ECO.	DATE	APVD
B	032612	032712	RC
C	012513	012513	RC

DO NOT SCALE DRAWING

**ALLTRAX** 1111 Cheney Creek Rd. Grants Pass, OR 97527 PHONE:(541) 476-3565

TITLE: SPM - PERMANENT MAGNET W/ REVERSE Wiring Diagram

SIZE: DOCUMENT NO. DOC110-005

REV. C

FILE: 000110-005-2-LINE-SPM-FRM-AMGR-REV005-INT-1M SHEET 1 OF 1