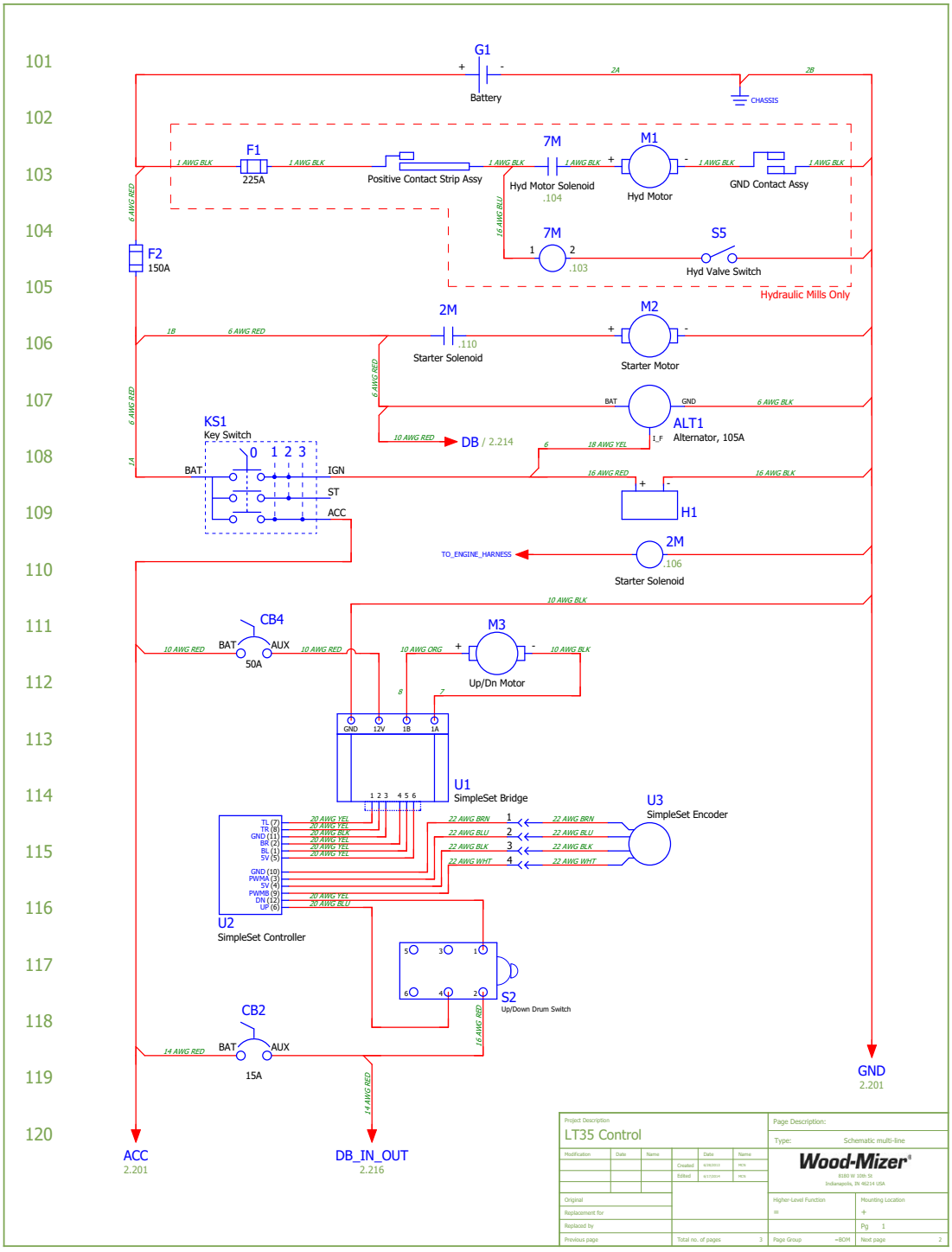
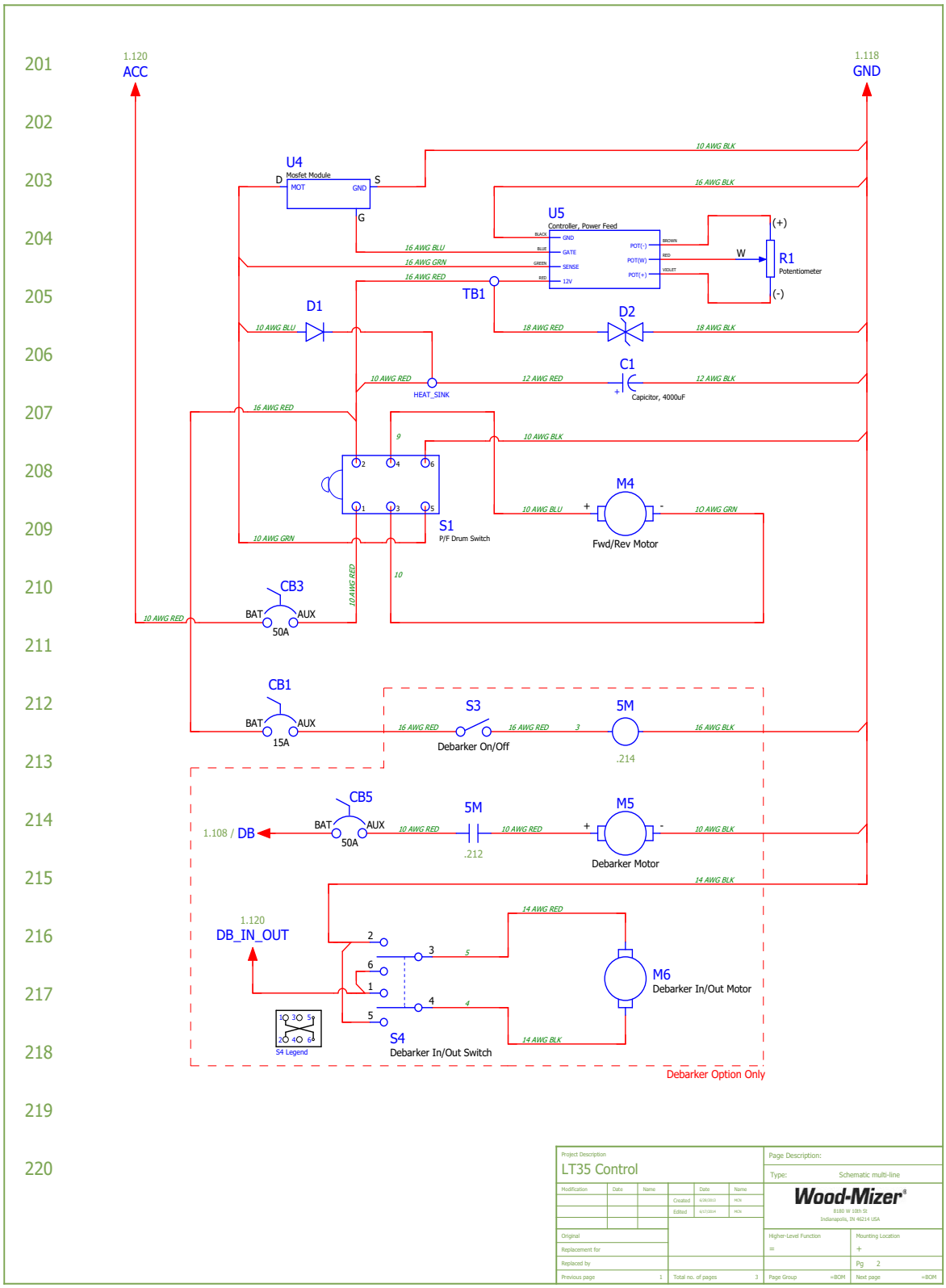
LT35 ELECTRICAL INFORMATION

Wiring Diagrams, G25 (Rev. A4.00 - A5.00)

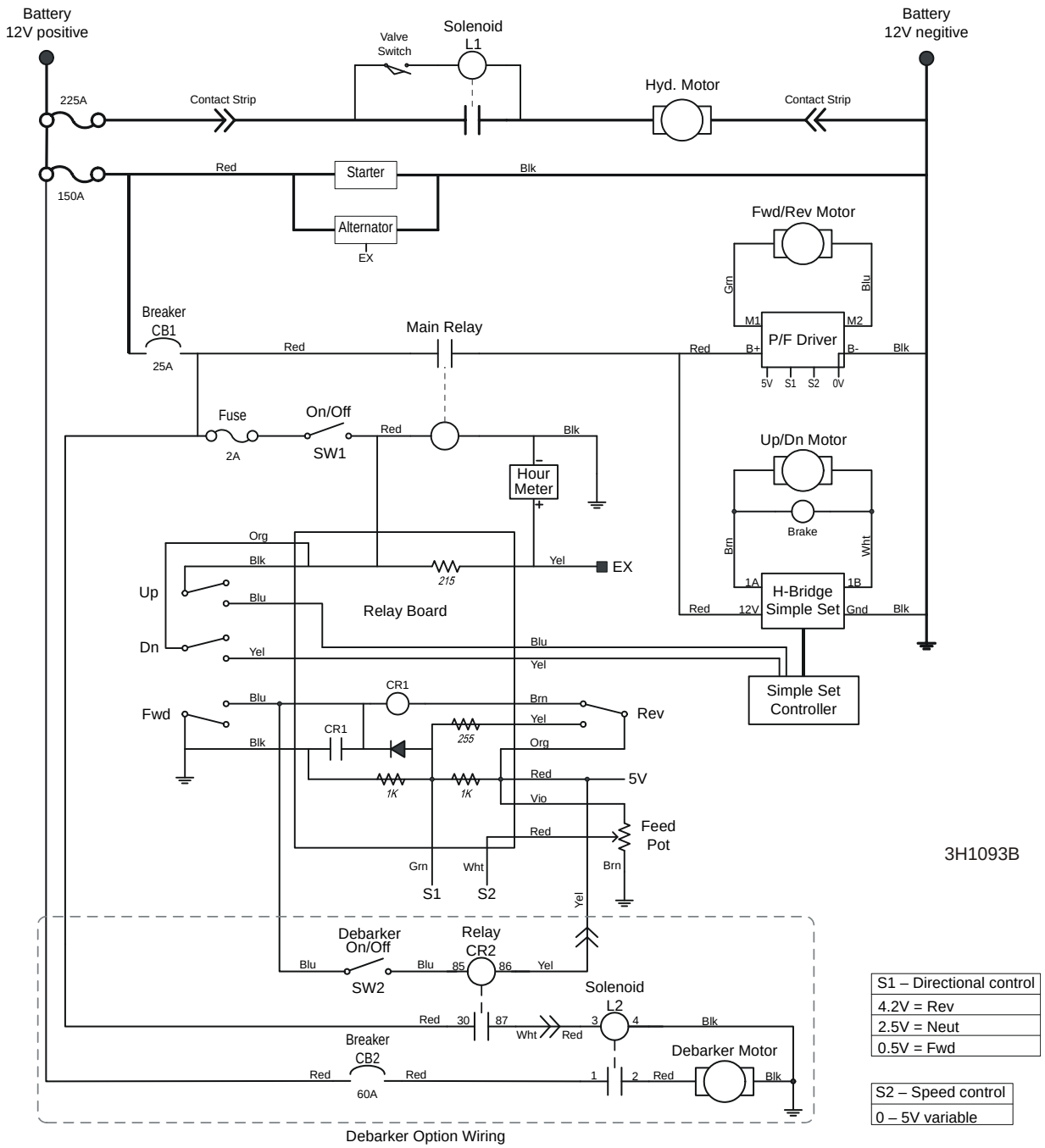



1.120
ACC
1.118
GND
U4
Mosfet Module
D
S
MOT
GND
G
U5
Controller, Power Feed
GND
GATE
SENSE
12V
POT(-)
POT(W)
POT(+)
W
(+)
(-)
R1
Potentiometer
TB1
D1
D2
C1
Capicitor, 4000uF
HEAT_SINK
M4
Fwd/Rev Motor
S1
P/F Drum Switch
CB3
CB1
CB5
BAT
AUX
50A
15A
S3
Debarker On/Off
5M
.214
.212
M5
Debarker Motor
1.108 / DB
1.120
DB_IN_OUT
M6
Debarker In/Out Motor
S4
Debarker In/Out Switch
S4 Legend
Debarker Option Only
10 AWG BLK
16 AWG BLK
16 AWG BLU
16 AWG GRN
16 AWG RED
10 AWG BLU
18 AWG RED
18 AWG BLK
10 AWG RED
12 AWG RED
12 AWG BLK
10 AWG GRN
14 AWG RED
14 AWG BLK
LT35 Control
Schematic multi-line
Wood-Mizer
8180 W 10th St
Indianapolis, IN 46214 USA

9.4 Component List, G25 (Rev. A4.00 - A5.00)

Component List				
Item	**Mfg. Part No.**	**Mfg.**	**Wood-Mizer Part No.**	**Description**
ALT1	050287	Delphi	050287	Alternator, 105A
C1	052365	Wood-Mizer, LLC	052365	Capacitor Assembly, P/F Filter
CB1	75115	Various	E20430	Circuit Breaker, 15A
CB2	75115	Various	E20430	Circuit Breaker, 15A
CB3	1648-009-050-006	Mechanical products	024256	Circuit Breaker, 50A
CB4	1648-009-050-006	Mechanical products	024256	Circuit Breaker, 50A
CB5	1648-009-050-006	Mechanical products	024256	Circuit Breaker, 50A
D1	052363	Wood-Mizer, LLC	052363	Diode Assembly
D2	052294	Wood-Mizer, LLC	052294	Suppressor Assembly, 92+ Power Feed
F1	MEG225	Littelfuse	053339	MEGA Fuse 225A
F2	MEG150	Littelfuse	052370-150	MEGA Fuse 150A
G1	24M7 wet	East Penn Manufacturing (Deka)	P12315	Battery, 12V 24M7
H1	N430-0200-8111 & 801-416 015401	Sendec	015401	Meter, Hour
KS1	1218 W/BOOT	---	P04350	Switch, Key
M1	4085-018	Iskra	038683	Motor, Hydraulic Pump
M3	4085-018	Current Applications	006747	0.50 HP DC Motor
M4	4085-018	Current Applications	006747	0.50 HP DC Motor
M5	4085-018	Current Applications	006747	0.50 HP DC Motor
R1	076050	Wood-Mizer, LLC	076050	Potentiometer, 1K
S2	2601AF2S12	Schneider Electric	---	Drum Switch, U/D
S5	024198	Wood-Mizer, LLC	024198	Switch, Hydraulic Micro
U1	053373	Wood-Mizer, LLC	053373	Bridge, SS Key
U2	053774	Key Electronics	053774	Controller, SimpleSet Key
U3	074021	Wood-Mizer, LLC	074021	Encoder Assembly, SimpleSet
U4	024387	Key Electronics	024387	Module, Mosfet
U5	024396	Key Electronics	024396	Controller, Power Feed

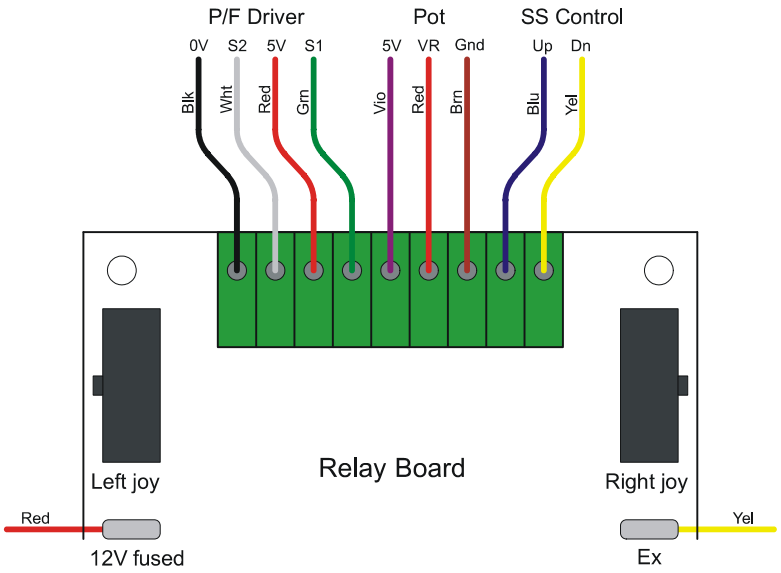
Wiring Diagram, G25 (Rev. A1.00 - A3.00)

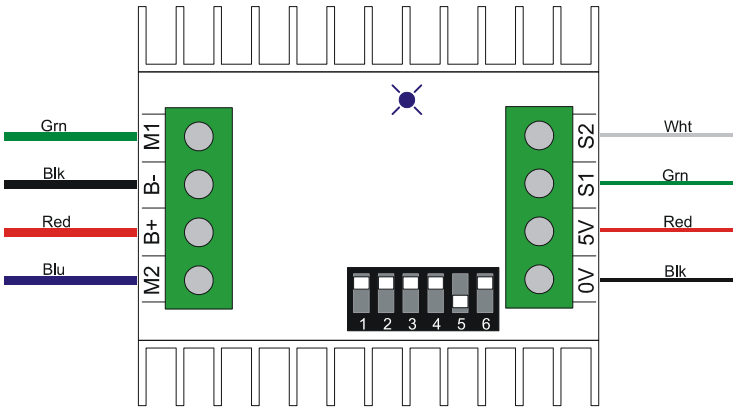


S1 – Directional control
4.2V = Rev
2.5V = Neut
0.5V = Fwd

S2 – Speed control
0 – 5V variable

G25





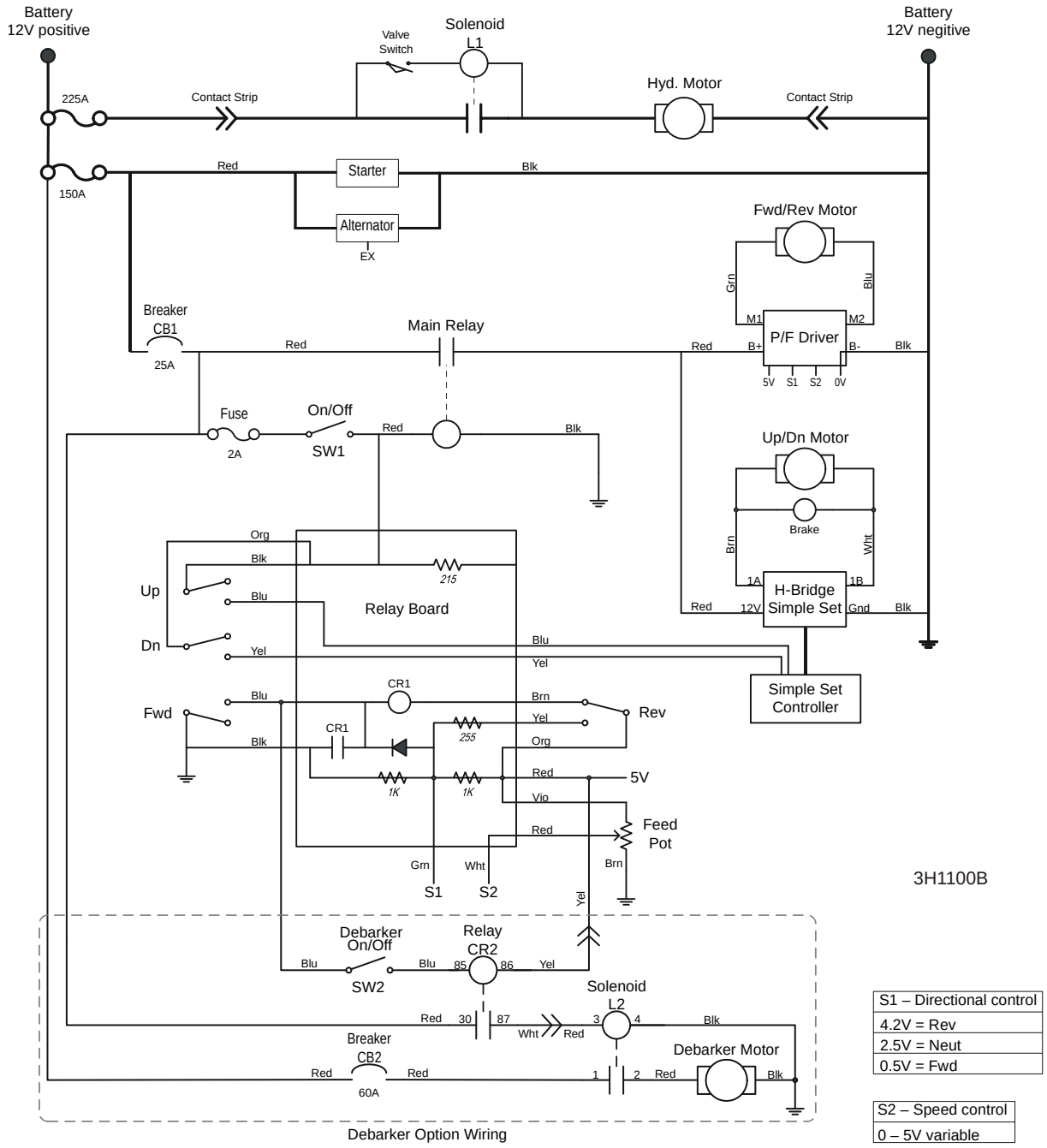
3H1092

Power Feed Motor Driver

9.6 Component List, G25 (Rev. A1.00 - A3.00)

Component List				
Item	**Mfg. Part No.**	**Mfg.**	**Wood-Mizer Part No.**	**Description**
Battery	---	---	P12315	Battery, 12V 24M-7 (8800mf)
Breaker	46326B	Waytek, Inc.	053781	Breaker, 25A 12V Auto Reset
H-Bridge	053373	Key Electronics	053373	H-Bridge Assembly, SimpleSet
Hour Meter	015401	Wood-Mizer	015401	Meter, Hour Digital LCD w/Gasket
Feed Pot	A07793	Wood-Mizer	A07793	Pot Assembly, Feed Rate Control Pre-92
Fuse	053776	Wood-Mizer	053776	Fuseholder Assembly, LT35 2A
Main Relay	050436	Wood-Mizer	050436	Relay, 40A 12VDC Automotive
P/F Driver	057829	Wood-Mizer	057829	Driver Assembly, LT35 PF
P/F Motor	069361	Wood-Mizer	069361	Motor Assembly, LT28 Power Feed
Relay Board	053772	Wood-Mizer	053772	PCB Assembly, LT35 Relay
Up/Dn Motor	062510	Wood-Mizer	062510	Motor, Gear 250:1 w/Brake
CB2	184-060F-03-1	Marsh Electronics	053440	Breaker, 60A Hi-Amp Panel Mount
CR2	30M9197	Newark InOne	069638	Relay, ISO 60A 6VDC SPDT
Debarker Motor	4085-024C	Current Applications	053683	Motor, 12 V DC 3/4HP Electric
HN20	PS-521	Mallory	021137	Horn, Debarker ON Warning
L2	586-902	White Rodgers	015470	Solenoid, 200A 12V SPST Cont. Duty
SW2	4X846	Carling Switch	P03027	Switch, Toggle

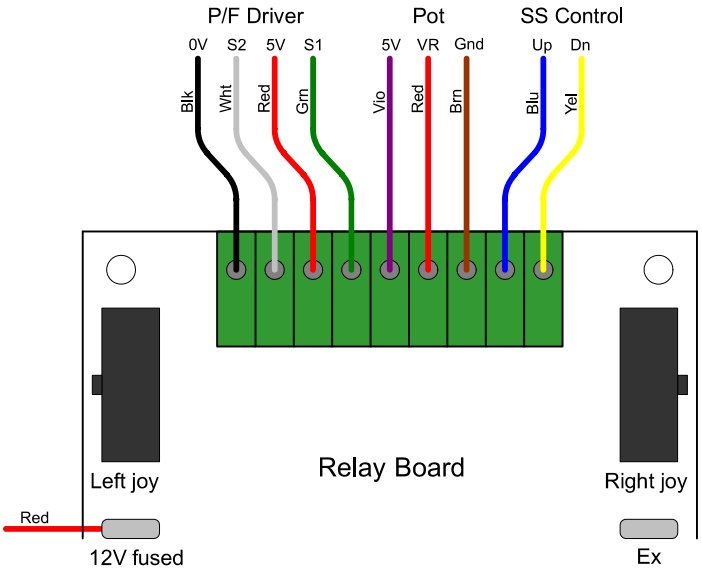
9.7 Wiring Diagram, D17 (Rev. A1.00 - A3.00)

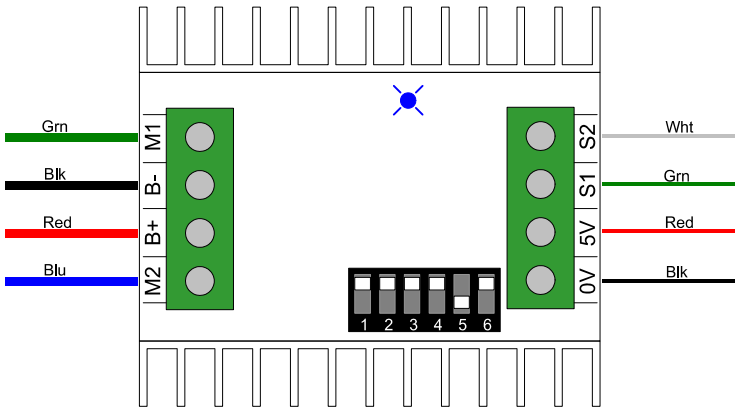


S1 – Directional control
4.2V = Rev
2.5V = Neut
0.5V = Fwd

S2 – Speed control
0 – 5V variable

D17





3H1101

Power Feed Motor Driver

9.8 Component List, D17 (Rev. A1.00 - A3.00)

Component List				
Item	**Mfg. Part No.**	**Mfg.**	**Wood-Mizer Part No.**	**Description**
Battery	---	---	P12315	Battery, 12v 24m-7 (8800mf)
Breaker	46326B	Waytek, Inc.	053781	Breaker, 25A 12V Auto Reset
H-Bridge	053373	Key Electronics	053373	H-Bridge Assembly, SimpleSet
Feed Pot	A07793	Wood-Mizer	A07793	Pot Assembly, Feed Rate Control Pre-92
Fuse	053776	Wood-Mizer	053776	Fuseholder Assembly, LT35 2A
Main Relay	050436	Wood-Mizer	050436	Relay, 40A 12VDC Automotive
P/F Driver	057829	Wood-Mizer	057829	Driver Assembly, LT35 PF
P/F Motor	069361	Wood-Mizer	069361	Motor Assembly, LT28 Power Feed
Relay Board	053772	Wood-Mizer	053772	PCB Assembly, LT35 Relay
Up/Dn Motor	062510	Wood-Mizer	062510	Motor, Gear 250:1 w/Brake
CB2	184-060F-03-1	Marsh Electronics	053440	Breaker, 60A Hi-Amp Panel Mount
CR2	30M9197	Newark InOne	069638	Relay, ISO 60A 6VDC SPDT
Debarker Motor	4085-024C	Current Applications	053683	Motor, 12 V DC 3/4HP Electric
HN20	PS-521	Mallory	021137	Horn, Debarker ON Warning
L2	586-902	White Rodgers	015470	Solenoid, 200A 12V SPST Cont. Duty
SW2	4X846	Carling Switch	P03027	Switch, Toggle