

# ADAC Regenerative Control

UL# E132235  
CSA# LR41380

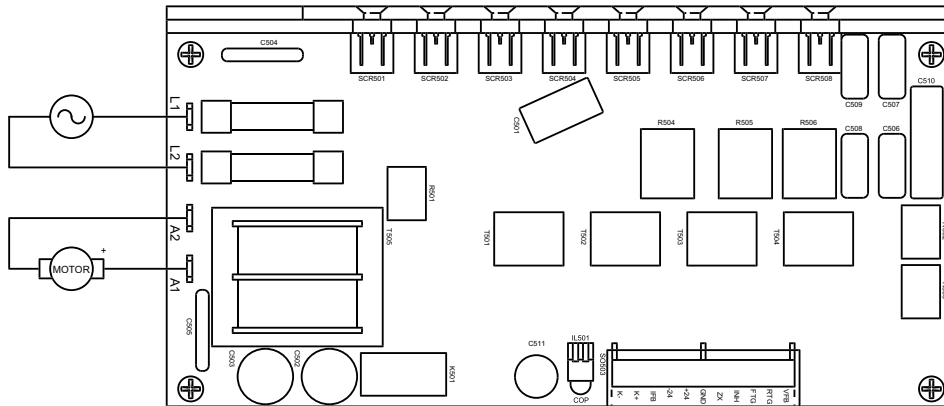
## FUSE

5200-3050A = 8A  
5200-3051A = 20A  
5200-3052A = 20A

## LINE INPUT

115 5200-3050A  
5200-3051A  
230 5200-3052A

## TOP VIEW

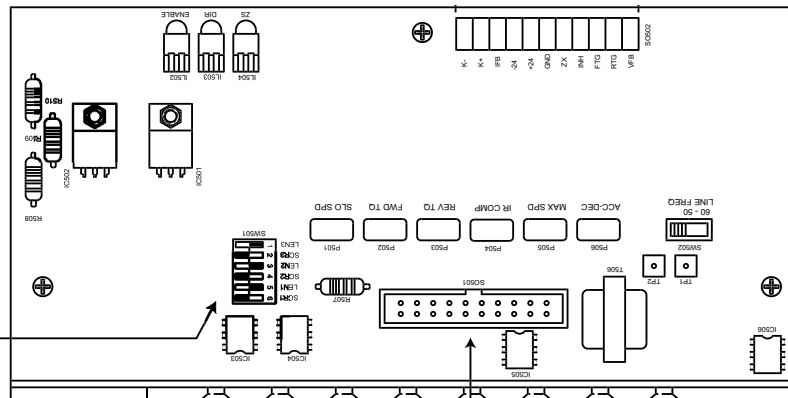


COP LED

ZERO SPEED LED  
DIRECTION LED  
ENABLE LED

## BOTTOM VIEW

SCR 1, 2, 3 MODE  
LEN 1, 2, 3 MODE



## SO501

PIN	NAME	FUNCTION
1		
2	+FAST	Fast/slow control for two speed control; open collector.
3	VELSIG	Analog 0 to +10V velocity signal.
4	LIM+15	Safety signal. Motors must stop when not active.
5	-15	Input voltage for isolated OP amp.
6		
7	AGND	Analog ground for isolated OP amp.
8		
9	+15	Input voltage for isolated OP amp.
10		
11		
12		
13		
14	SCREEN	Enable for two speed control; active low; open collector.
15	LDIR	Direction for linear control; open collector.
16		
17		
18	SCRDIR	Direction for two speed control; open collector.
19		
20	LEN	Enable for linear control; active low; open collector.

## INPUT SPECS

- 0 - 10VDC Isolated Input
- Direction Input  
*Activated by an open collector*
- Enable Input  
*Activated by an open collector*
- +15VDC Safety Input  
*If no voltage, drive cannot run*
- Dual Speed Select Input (Pin #2)  
*(Dip Switch Selectable)*  
115 VAC INPUT:  
Open = 45VDC out, Close = 90VDC out  
230 VAC INPUT:  
Open = 90VDC out, Close = 180VDC out

## DRIVE SPECS

- Regen Drive
- 115 VAC input: *Run motor range from .47 Amps to 5.35 Amps, voltage 90V to 115V.*
- 230 VAC input: *Run 180VDC motor at 7.8 Amps.*
- All power connections are 1/4" spade lugs.
- Must have a line fuse.
- Pot adjustments:
  - Slow Speed
  - Pot for Fwd. and Rev. Torque (Current Limit)
  - IR Compensation
  - Maximum Speed
  - Acceleration-Deceleration (same pot)
  - Line Frequency 50-60 Hz