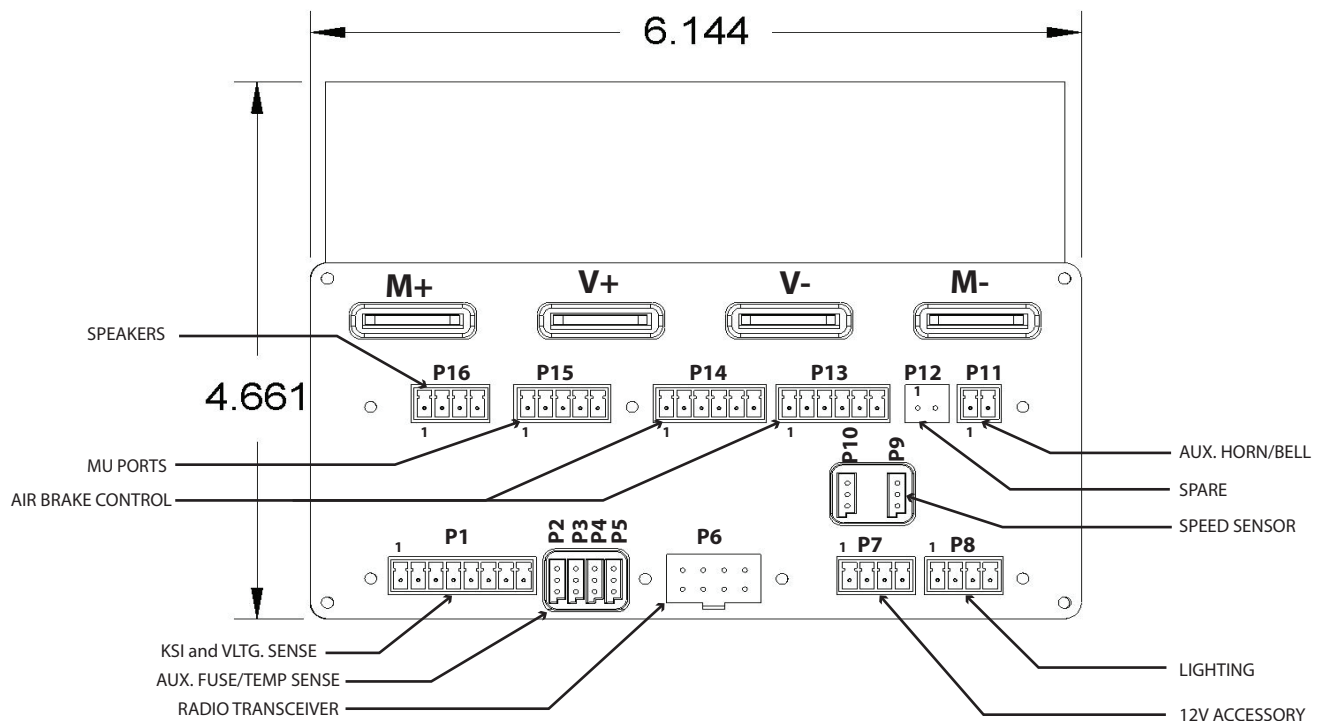
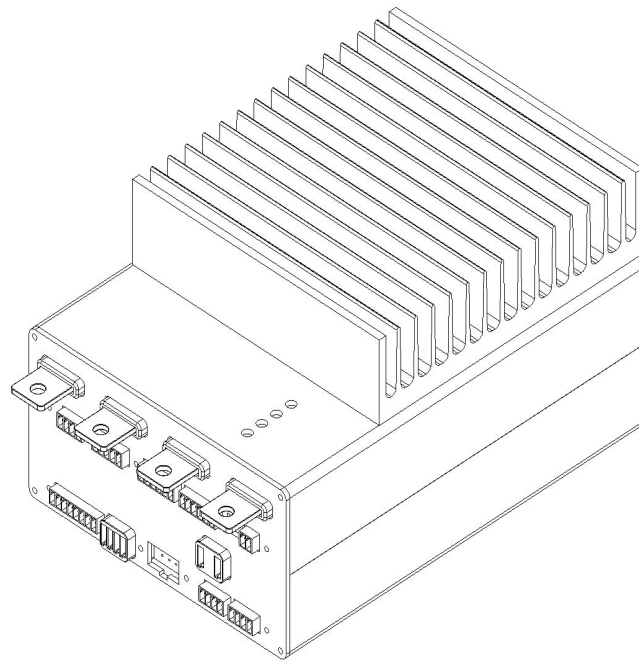


Integral Circuits, LLC.

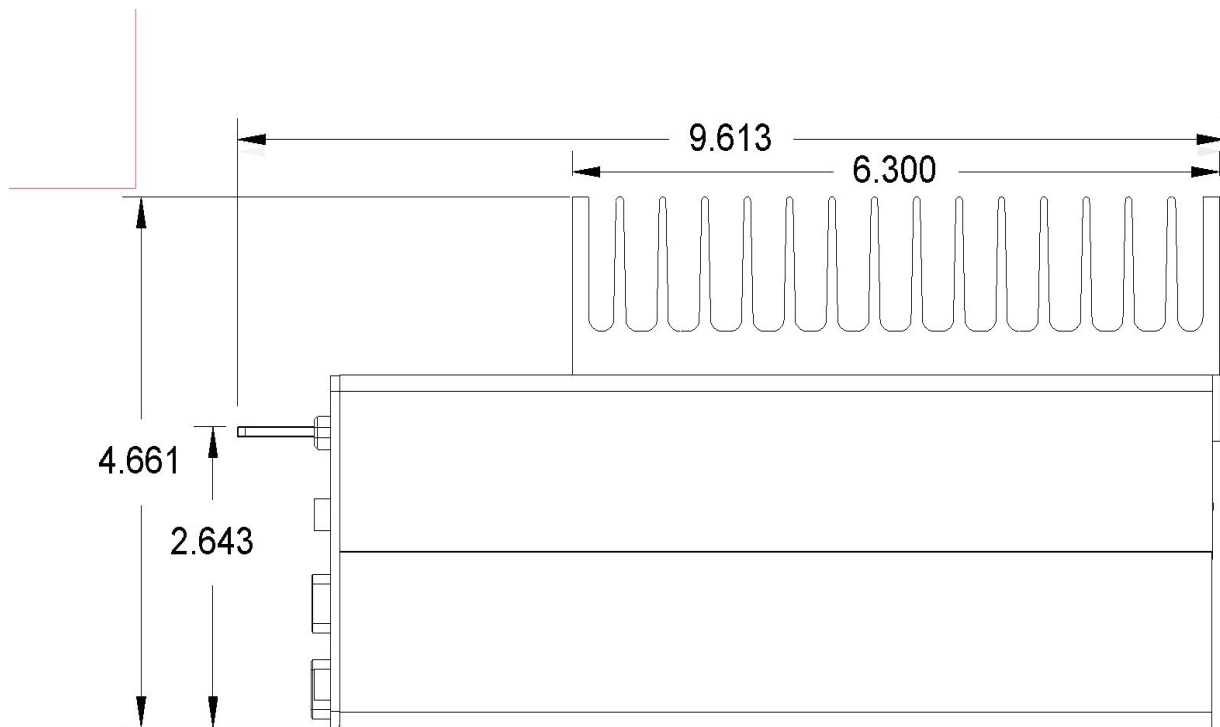
LT150A WIRING AND INSTALLATION:

(Preliminary)

CONTROLLER DIMENSIONS

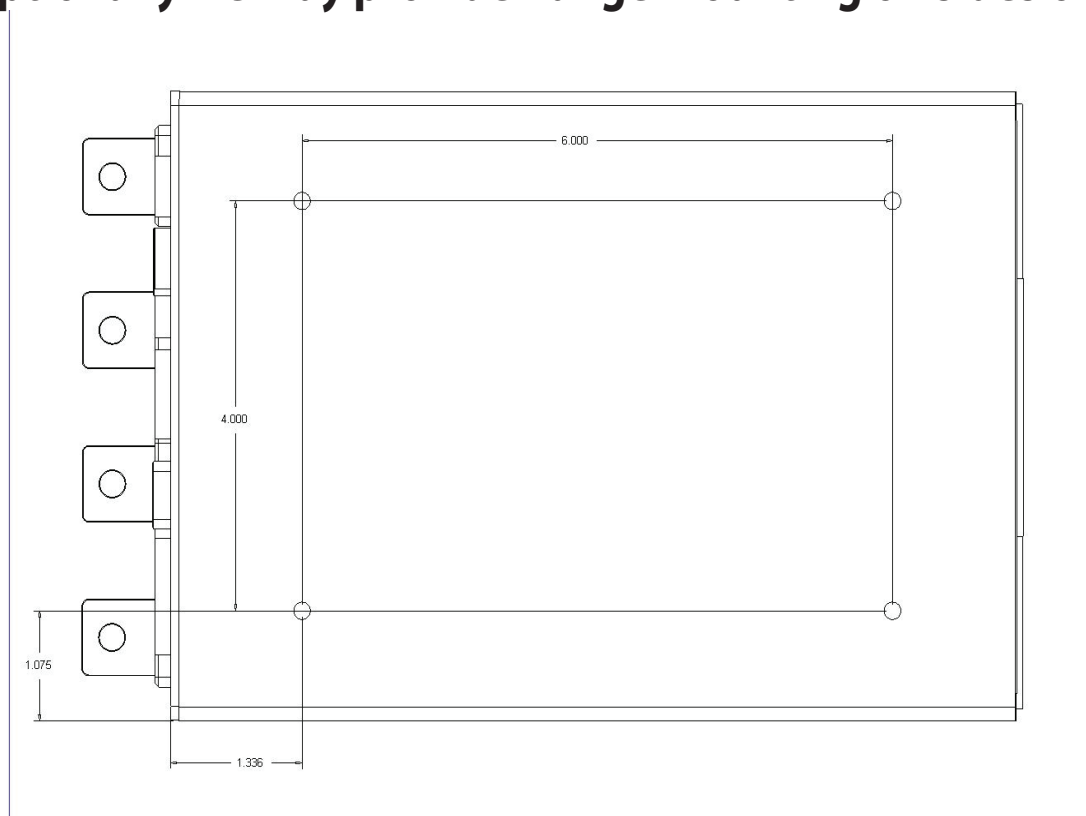


CONTROLLER DIMENSIONS

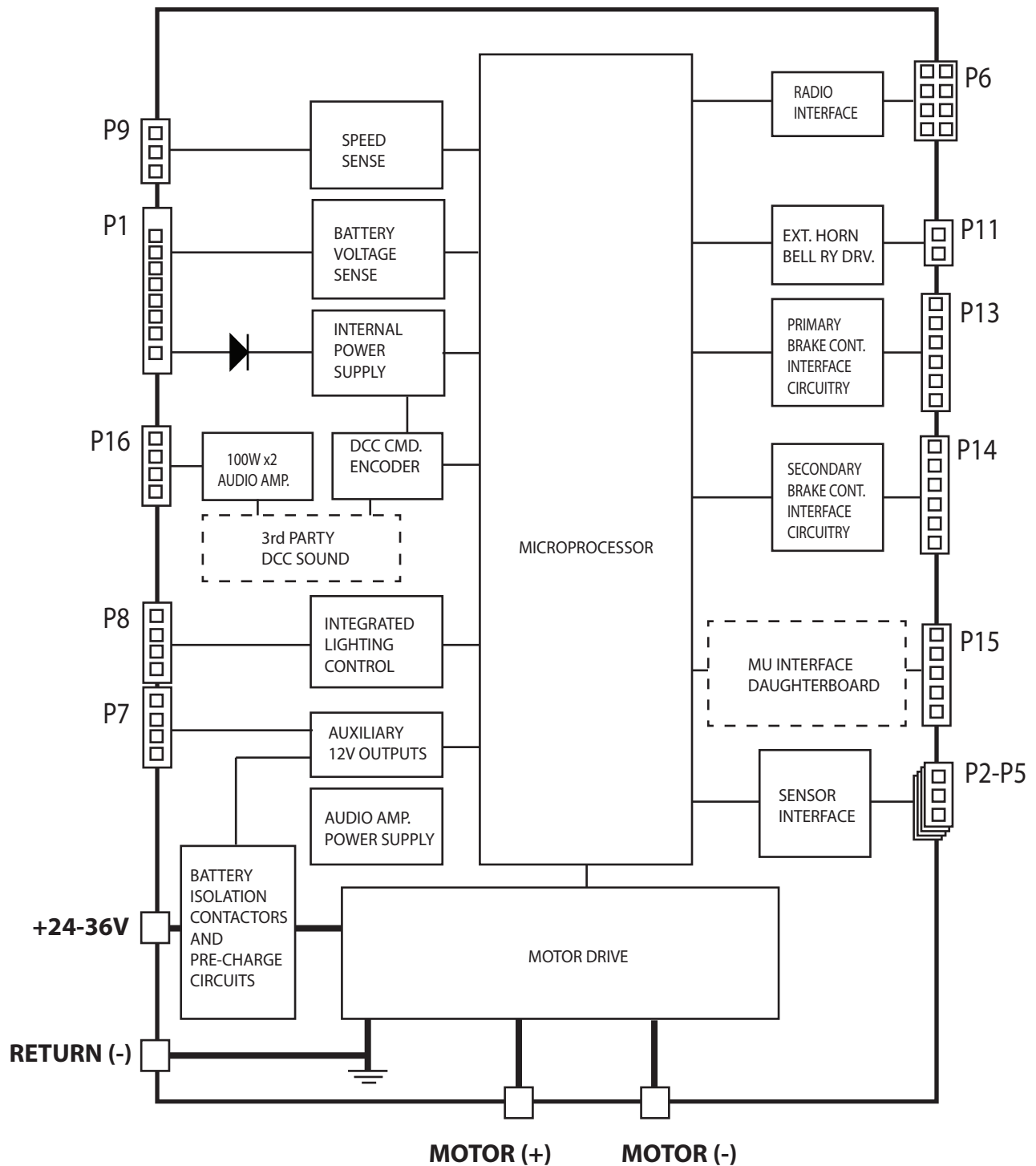


P6

MOUNTING PATTERN ON BOTTOM OF UNIT - #8-32 STUDS
(Optionally we may provide flange mounting on sides of box)

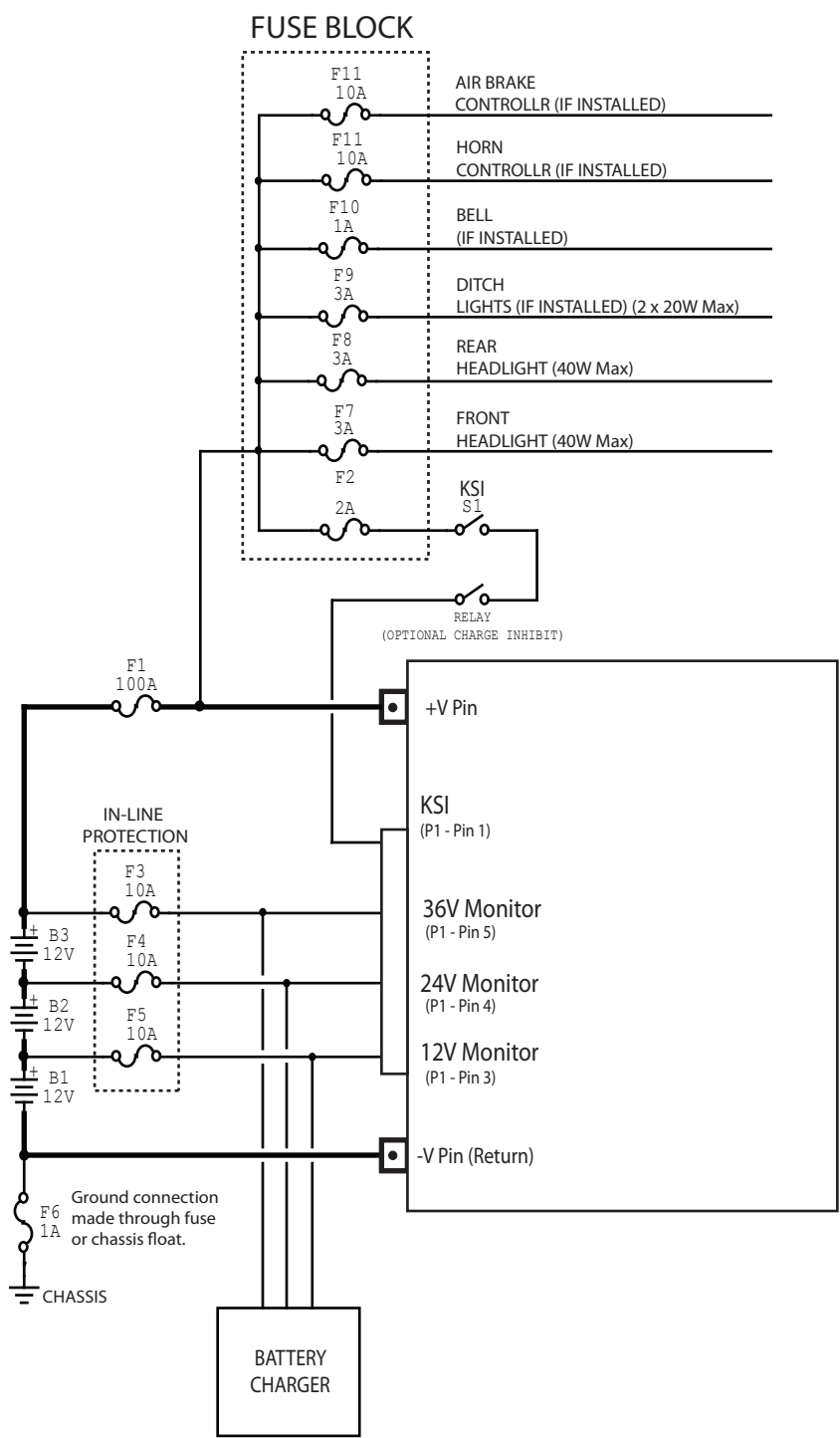


SYSTEM BLOCK DIAGRAM



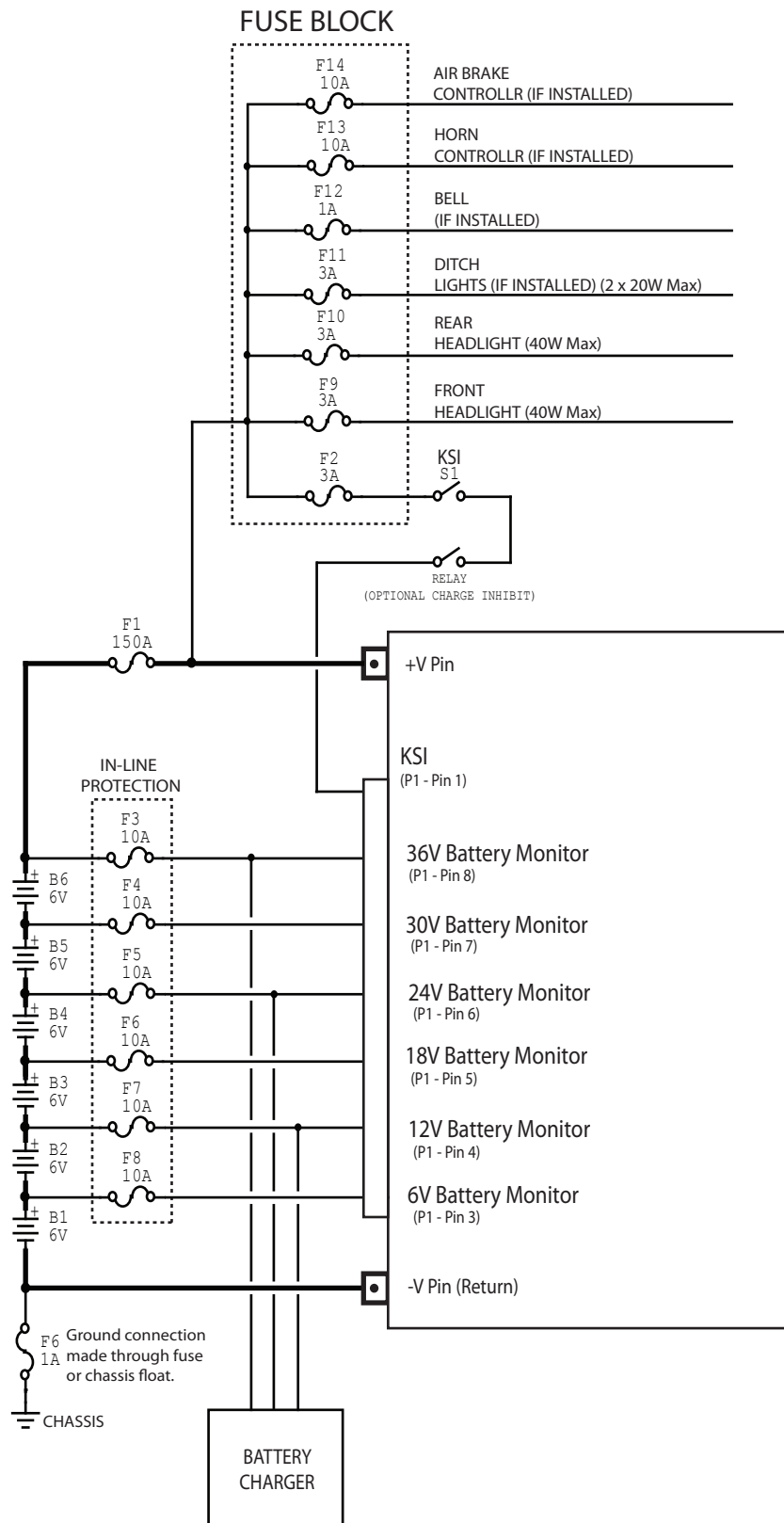
MAIN POWER CONNECTIONS AND BATTERY MONITORING

EXAMPLE: 36V System using 3x 12V Batteries



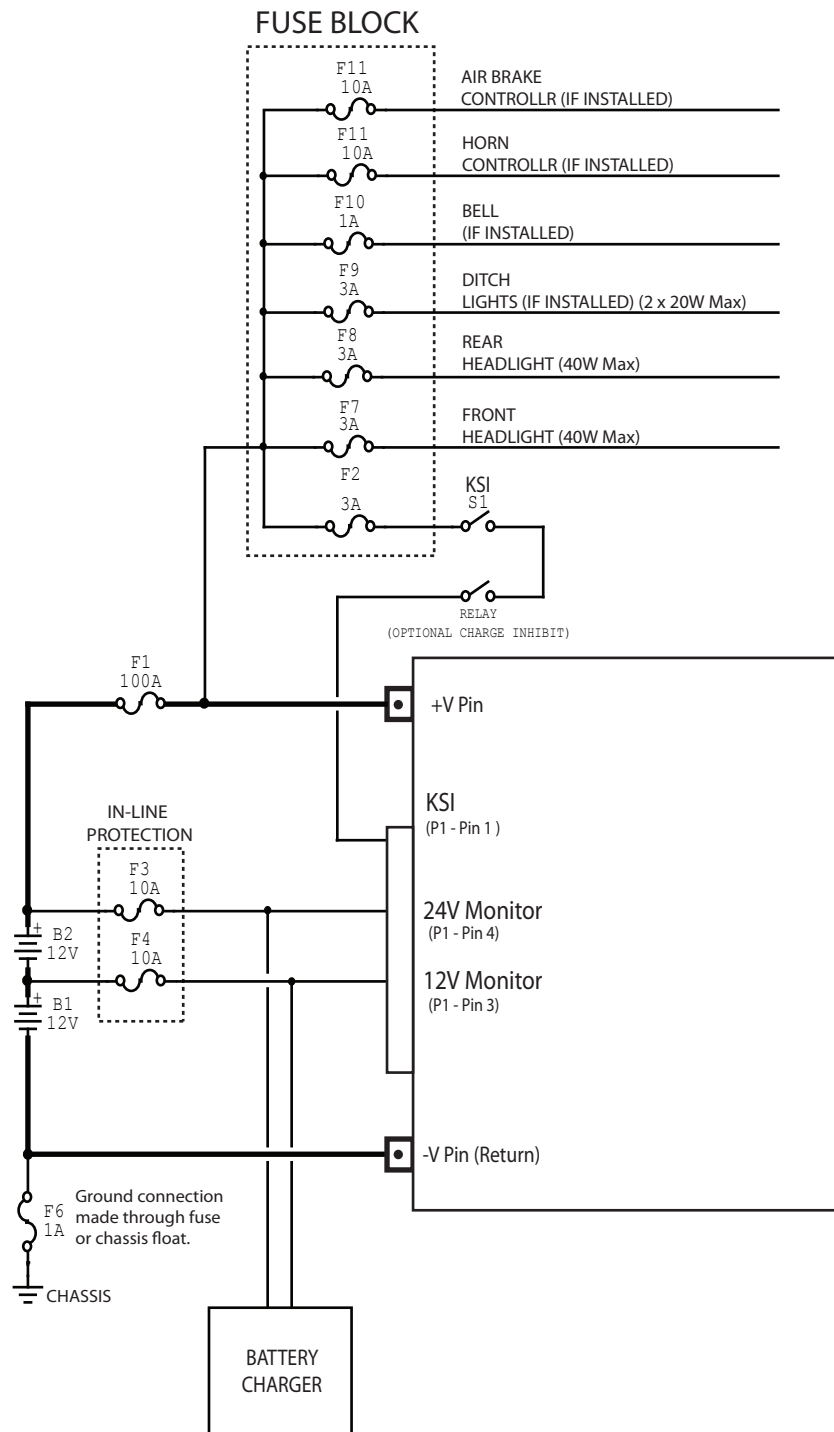
MAIN POWER CONNECTIONS AND BATTERY MONITORING

EXAMPLE: 36V System using 6x 6V Batteries



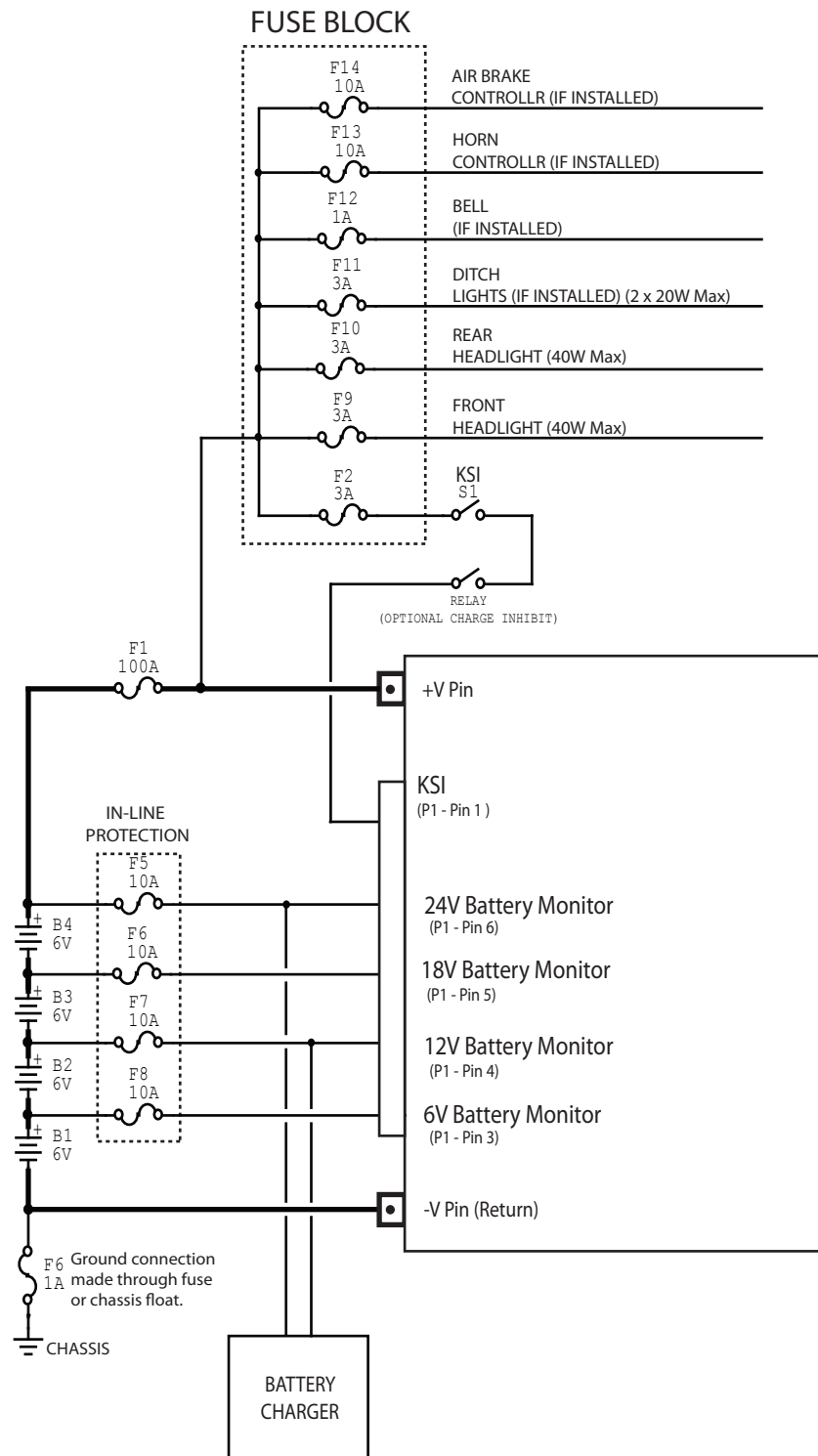
MAIN POWER CONNECTIONS AND BATTERY MONITORING

EXAMPLE: 24V System using 2x 12V Batteries



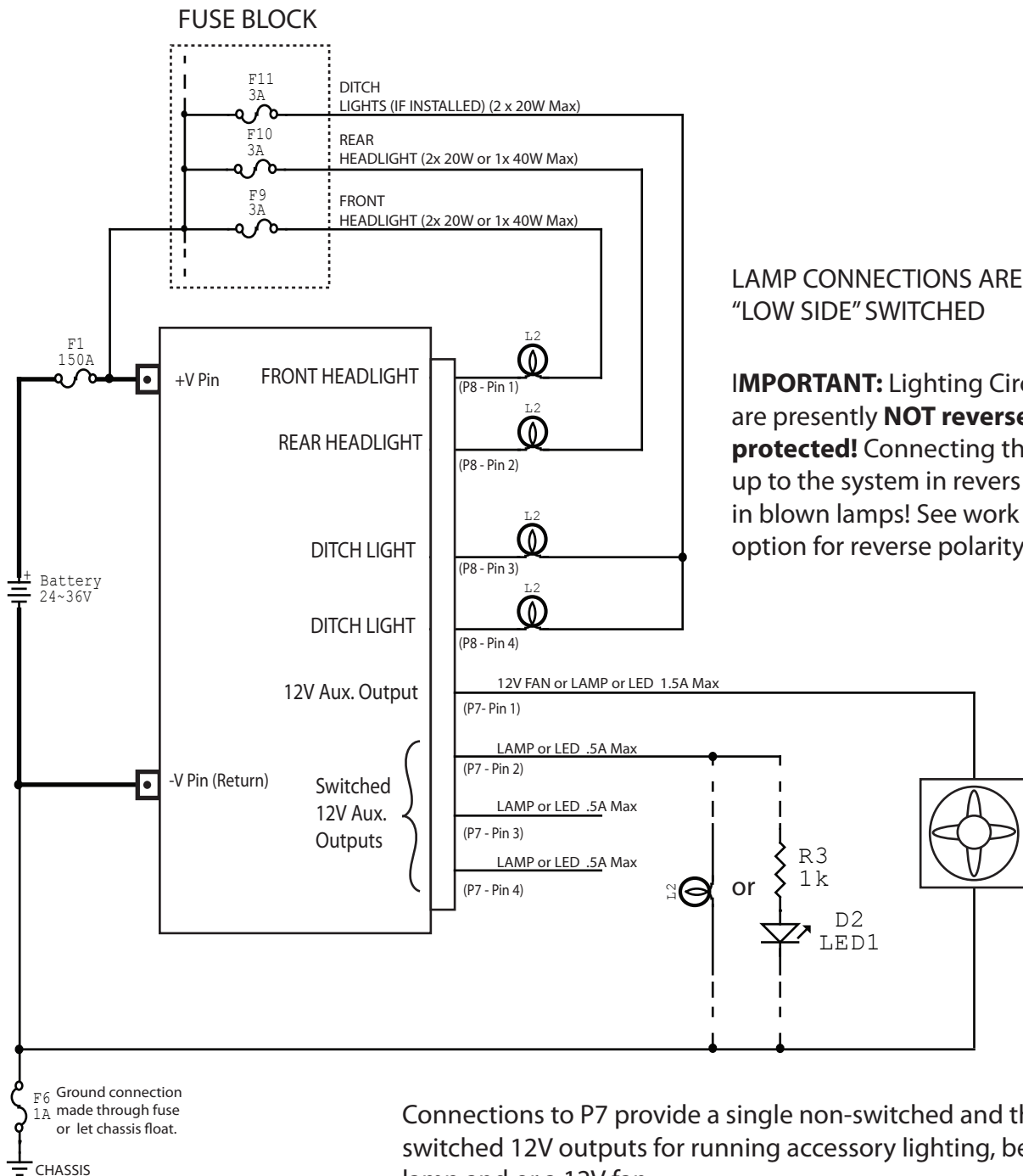
MAIN POWER CONNECTIONS AND BATTERY MONITORING

EXAMPLE: 24V System using 4x 6V Batteries



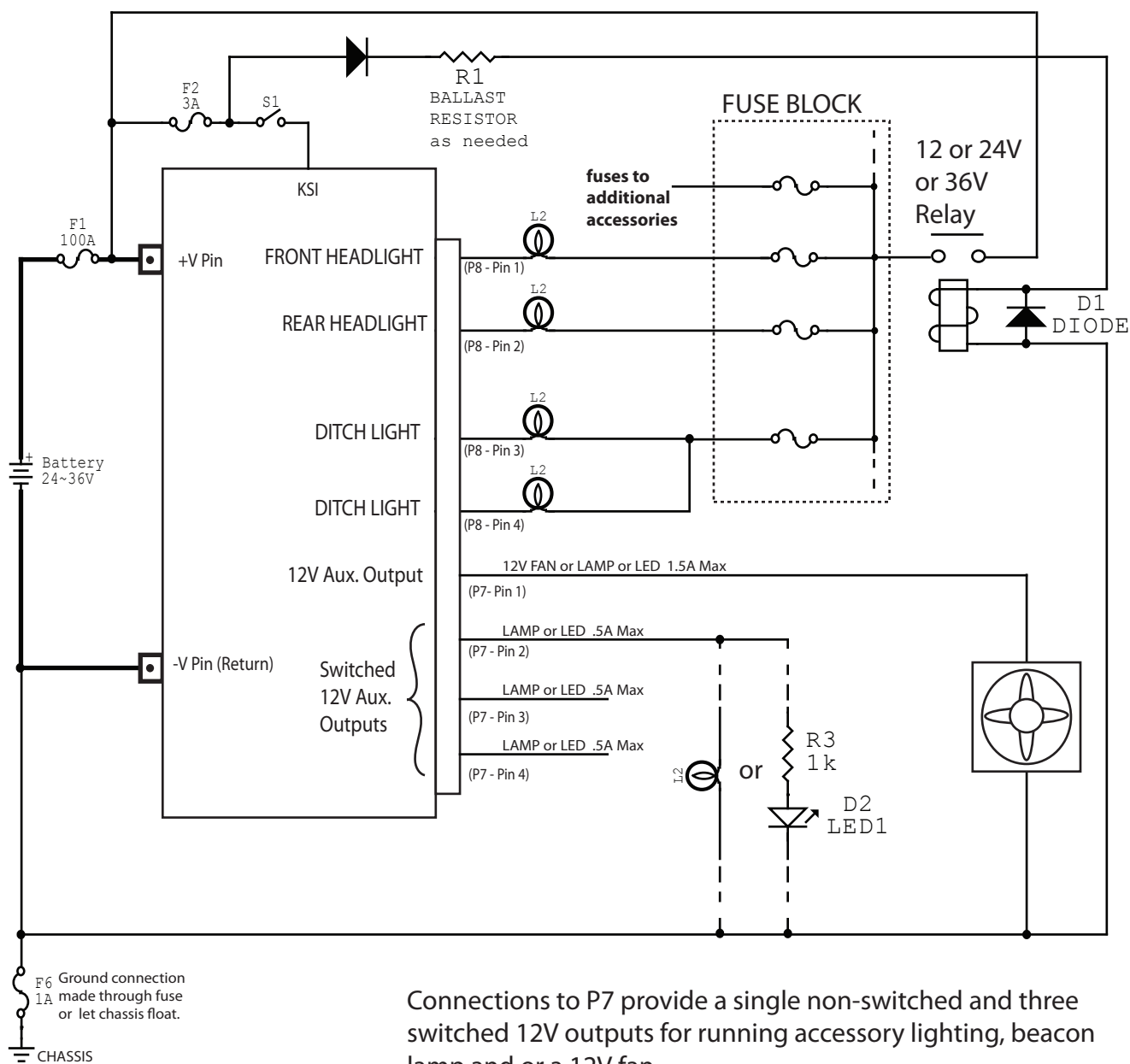
LIGHTING and ACCESSORY CONNECTIONS

IMPORTANT NOTE: The lighting system of the LC150A controls INCANDESCENT LIGHTS ONLY as shown. Contact Integral Circuits, LLC. for further information and support to control LED lighting.

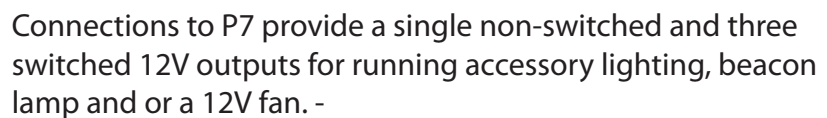


Connections to P7 provide a single non-switched and three switched 12V outputs for running accessory lighting, beacon lamp and or a 12V fan. -

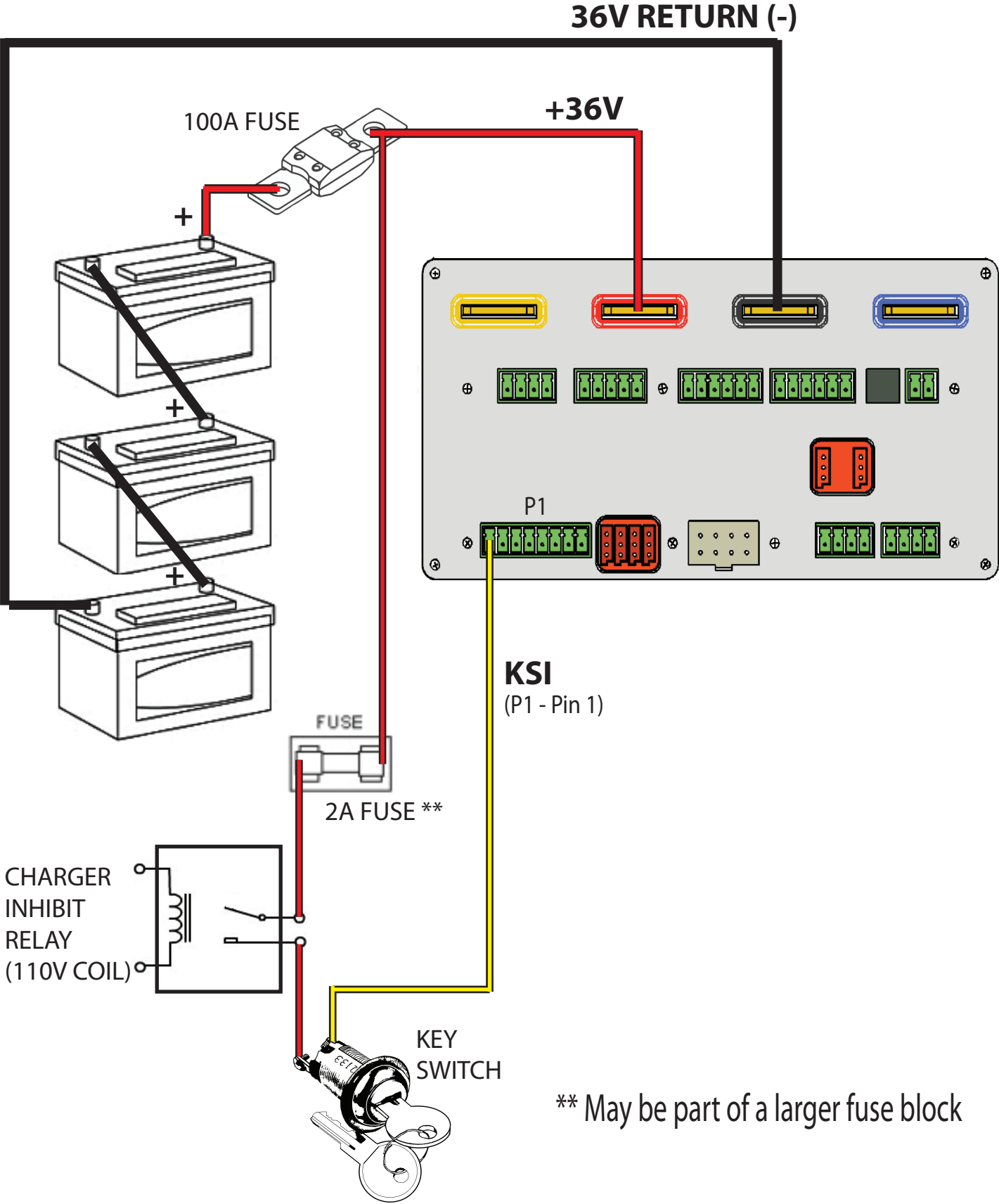
OPTIONS FOR LIGHTING REVERSE-POLARITY PROTECTION 2



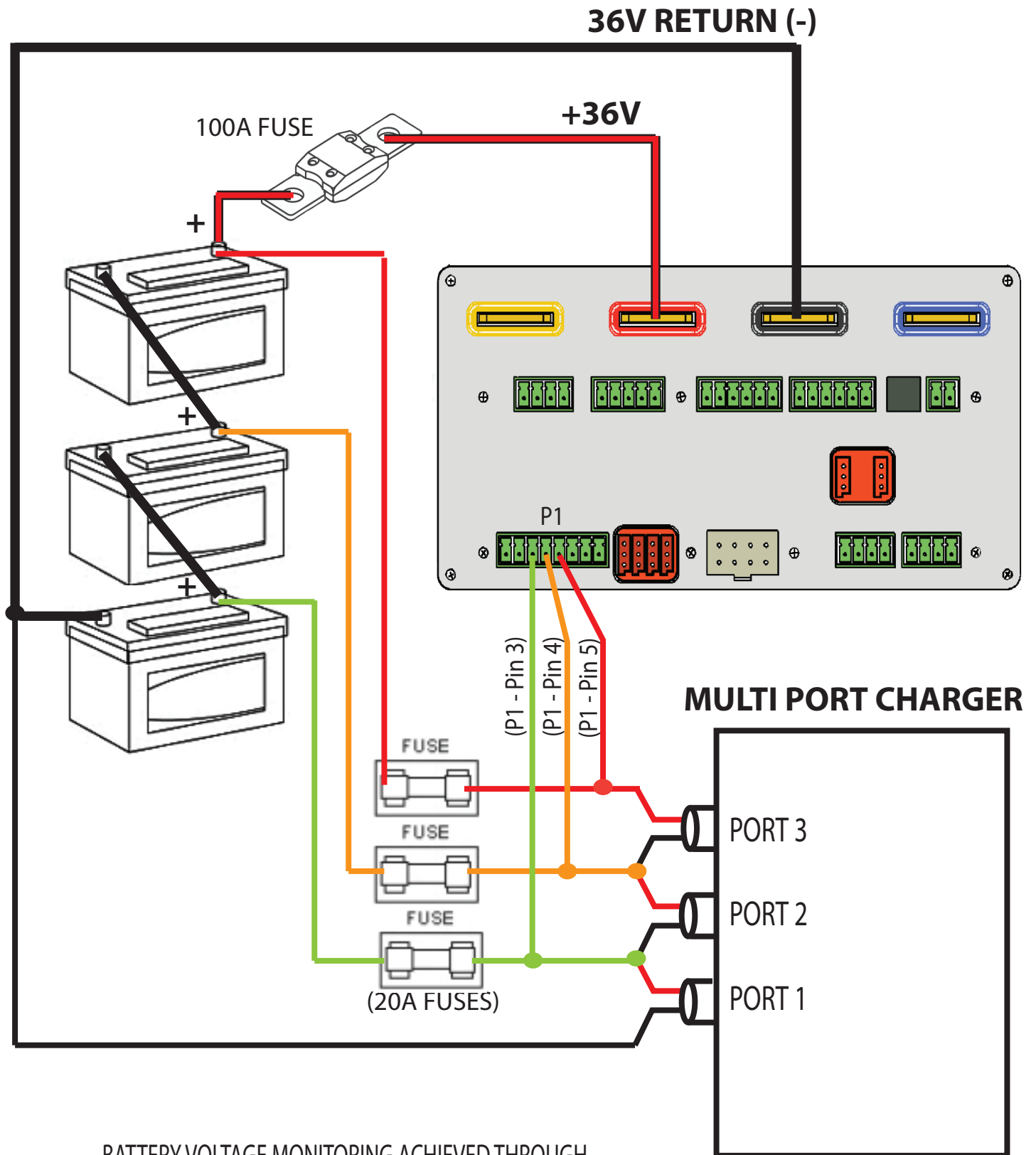
The circuit below illustrates one possible work-around for reverse polarity protection for the accessory buss associated with the headlights, ditch lights, bell, horn driver, and brake driver boards.



MAIN POWER AND KSI WIRING

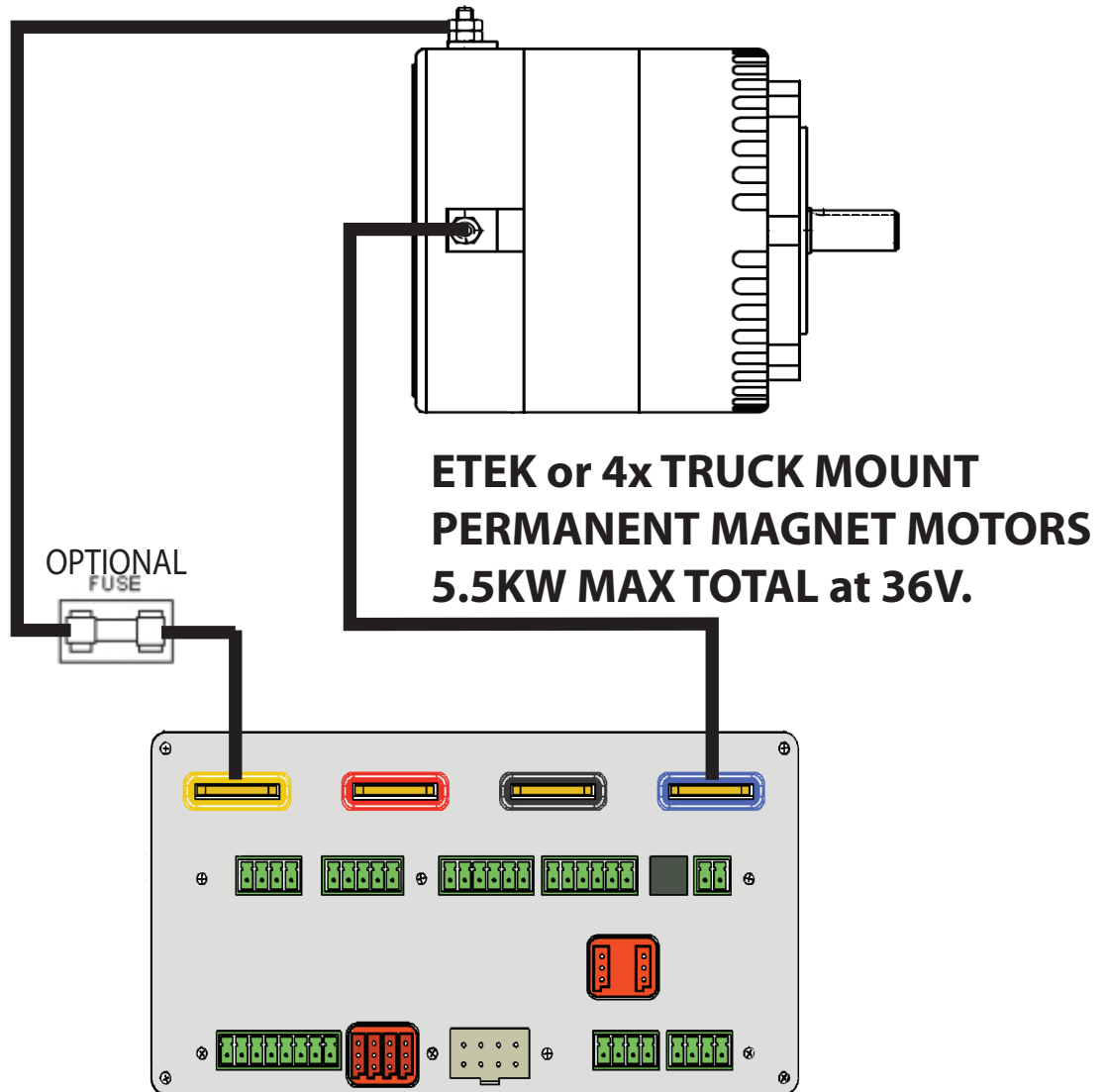


CHARGER AND BATTERY VOLTAGE MONITOR



BATTERY VOLTAGE MONITORING ACHIEVED THROUGH
PINS 3, 4 and 5 of P1 (3x12V BATTERYS SHOWN)
IF 6x 6V BATTERIES, USE PINS 3,4,5,6,7 and 8.

CONNECTION LOCATION FOR MOTOR(S)



(MAIN POWER CONNECTION ALSO SHOWN with FUSE BLOCK EXAMPLE)

+36V

+

+

+

P

(P1 - Pin 1)

KSI

(P8 - Pin 1)

(P8 - Pin 2)

REAR HEADLIGHT
(MR8, or MR16 BULBS)
40Watt TOTAL MAX!

2A

4A

4A

FUSE BLOCK

(EXAMPLE KSI CONNECTION SHOWN)

FRONT HEADLIGHT
(MR8, or MR16 BULBS)
40Watt TOTAL MAX!

SPEAKER WIRING, RADIO, SPEED and BRAKES

