

Intelligent Motor Control Solutions

for the battery powered mobility industry

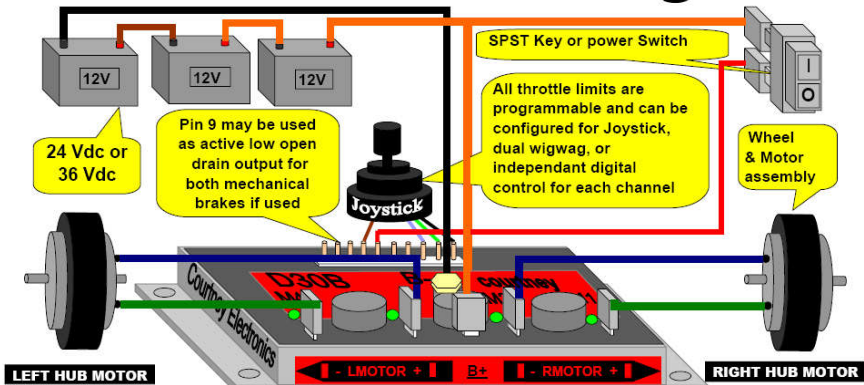
Courtney Electronics is one of the industry leading producers of intelligent microprocessor motor controls for the battery powered mobility industry. Based in Fayetteville, Arkansas, Courtney Electronics' microprocessor based motor controllers are utilized in the mobility cart fleet of the largest retailer in the world. The D Series suite of intelligent motor control solutions utilizes a software toolkit called Mobile Track that allows anyone to easily customize the performance of almost any battery powered mobility cart application. Because the D series also takes care of the steering function, it simplifies the design of mobility carts more than any other single product offered today.

D Series Features:

- ▶ Dual Motor Controllers with the ability to handle both the steering and traverse (movement) of the mobility system
- ▶ Utilizes 10M hertz microprocessor for instant response and intelligent control
- ▶ Two Models: D30B/D60B (30 amps or 60 amps per motor)
- ▶ Multiple types of throttle inputs, dual potentiometer type joysticks, dual wig-wag, or independent digital control
- ▶ Temperature Control for safety and reliability purposes
- ▶ Provides dynamic braking when returning to neutral, and regenerative charging of the batteries whenever coasting
- ▶ Open drain output available for connection to mechanical brake if used
- ▶ Mobile Track software programming kit available to customize the performance of any of our motor controller products
- ▶ Operates at 24Vdc or 36Vdc
- ▶ An adapter is available to easily calibrate the joystick or dual wig-wag throttle directly to our D Series controllers without the need to connect to a computer

intelligent move.

D30B Connection Diagram



Mobile Track Software Toolkit Features:

- ▶ Independently allows end user to set the maximum speed level for each motor for each direction
- ▶ Manages acceleration and deceleration speed of each motor of the mobility cart
- ▶ Manages maximum and steady state current levels for each motor
- ▶ Intelligent Motor Protection utilizing temperature and motor current control

The Courtney Edge

Working with Courtney can provide your organization with a simple solution for your cart design, by utilizing one of the most flexible intelligent motor control solutions available anywhere in the world. Courtney provides money back guarantee and free samples for any qualified manufacturer that will consider utilizing any of our intelligent motor control solutions.

