Notes: 1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work. 2. Wire gauges depend on load and size of motors. (See Recommendations) 3. Fuse size depends on load and size of motors. (See Recommendations) 4. Switch should be rated for at least the same amount of current as the fuse.

5. To charge batteries unplug them and use charger or run parallel wire with plug for

6. Servo pigtail (TE-040-001) typically used. Receiver powered from motor controller (ensure motor controller rated for receiver).

References:

www.superdroidrobots.com/shop/category.aspx/wheelchair-motors/131/www.sdrobots.com/tech-thursday-033-power-big-electric-motor/

Recommendations for 4wd with wheelchair motors:

- 1. (2) 12 AWG or (1) 6 AWG for power wire.
- 2. 14 AWG for motor wires.
- 3. Recommended size for the fuse is 80 Amps.

Ground

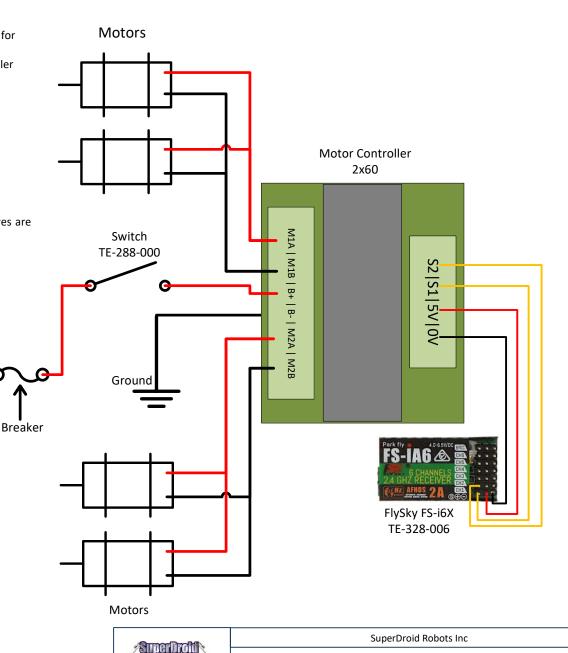
4. Use ferrite beads close to the motor to attenuate electric noise.

Safety Notice:

1. Be sure that all positive (red) battery terminals are properly fused and all wires are properly gauged according to safety standards.

12V Batteries Connected

in Series



WC800-DM4 New Robot Wheel

chair

PAGE

2 OF 2