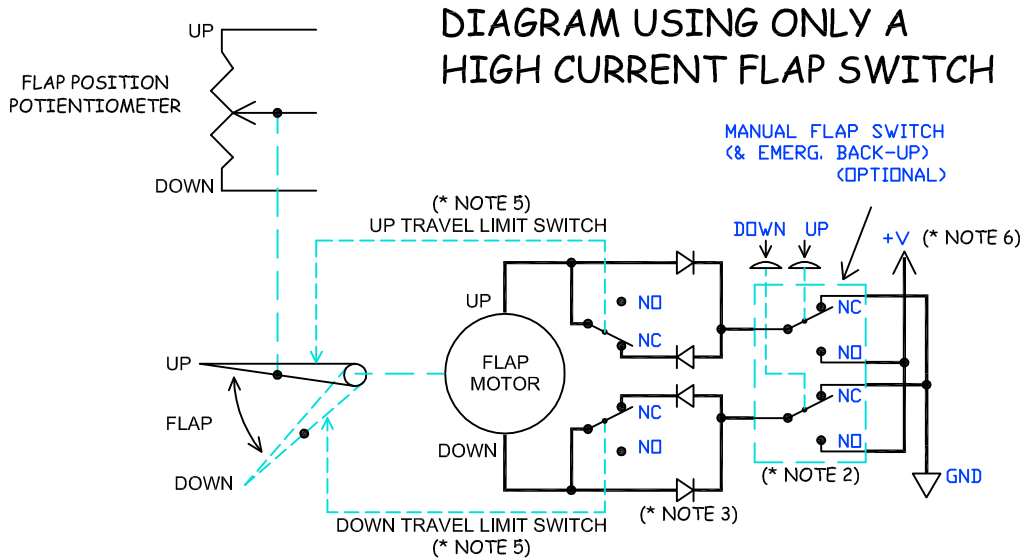


SCHEMATIC for NON-CLUTCH DRIVEN FLAP MOTORS



NOTES:

- 1.) THICKER LINES DENOTE HIGHER CURRENT PATH FOR MOTORS & CHASSIS GROUND. SIZE WIRE FOR 10A MAX, #14AWG. ALL OTHER WIRES CAN BE #24AWG.
- 2.) THESE TWO SWITCHES OPERATE INDEPENDENTLY EVEN THOUGH THEY MAY BE IN ONE HOUSING. (Example: RayAllen's RS1 or their STICK GRIP switches) SWITCHES ARE [Single Pole, Double Throw, ON-NONE-(ON), Momentary] SEE OUR SWITCH DOCUMENTATION SHEET FOR SUBSTITUTING HAT SWITCHES, RELAYS, OR OTHER SWITCHES.
- 3.) SIZE THESE 4 DIODES FOR MAXIMUM MOTOR CURRENT.
- 4.) NOTE: RELAY PIN-OUTS WILL BE DIFFERENT FOR OUR 20A BOARDS. ALL OF OUR RELAY BOARDS ALSO HAVE PROTECTION FOR THE INDUCTIVE KICK BACK FROM THE MOTOR (NOT SHOWN).
- 5.) UP/DOWN TRAVEL LIMIT SWITCHES ARE SEPARATE SWITCHES CONNECTED TO THE END TRAVEL OF THE FLAPS
- 6.) USE +12V or +24V, WHAT IS APPROPRIATE FOR RELAY MODEL ORDERED.

