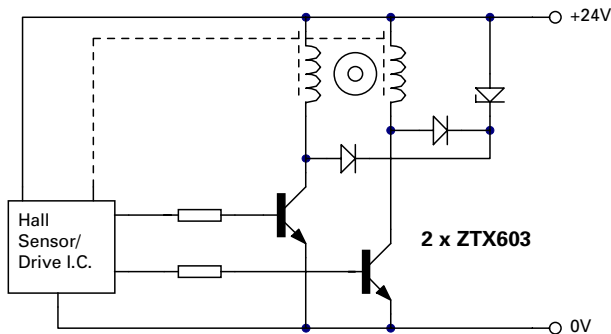


## Brushless DC Fan Driver



High power brushless fans incorporate Hall effect rotor sensors which directly control stator winding driver transistors. Since these drivers must withstand high surge and continuous currents which occur in normal and stalled operation, expensive TO220 or TO126 Darlington transistors are commonly specified.

The 200°C and 1W capability of the E-Line (TO92 style) package coupled with the high efficiency matrix geometry of the ZTX603 Darlington transistor

provides the necessary performance at a smaller size and cost. Featuring a saturation voltage of 0.95V at 1A for a base current of only 1mA, a 4A peak capability (1A continuous) and excellent switching characteristics, the ZTX603 is an efficient load tolerant driver for fans of powers up to 10W and above.

(Zetex manufacture a wide range of Darlington geometry transistors, with  $BV_{CEO}$  ratings from 30 to 140V, and DC current ratings up to 1A in TO92.)