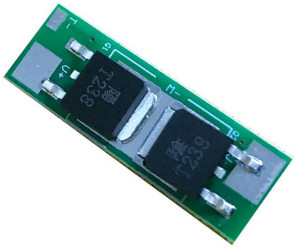
T238 MOSFET Active Braking Module



Description:

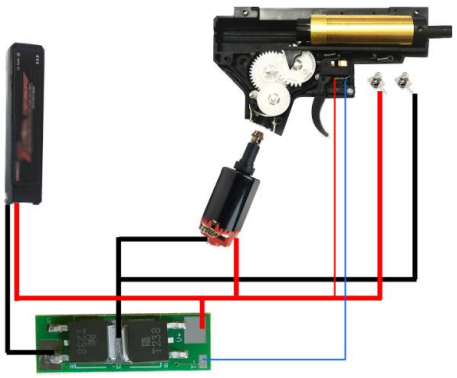
T238 MOSFET Active Braking Module is a MOSFET switch with Active Braking, designed for AIRSOFT, gel ball blasters and other gearboxes with semi-auto function. It increases gun rate of fire and solves multiple shots in semi mode.The system can working with 14.8V Li-Poly batteries. Soldering and wiring are required.

Features:

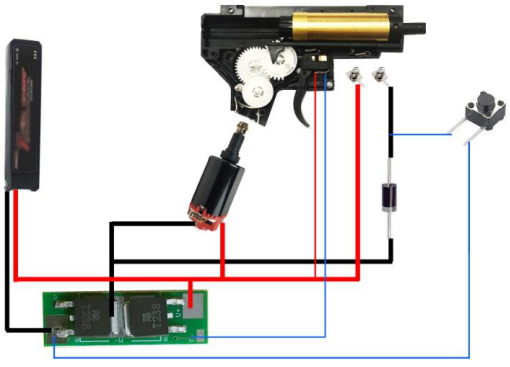
- Module size within 9X30X5.5mm
- Can handle 3V to 14.8V batteries
- Active Braking Technology
- Up to 240A starting current and up to 100A braking current

Functions:

- The MOSFET targets the energy from battery directly to the motor, bypassing the mechanical trigger contacts, provide you with higher rate of fire of the blasters ad a faster trigger response, and the contacts will be protected against burn out.
- Active Brake uses the excess energy from the motor to stop it. The braking effect is the most powerful with high torque motor
- The Active brake will eliminate the over spin of Gearbox and solves multiple shots in SEMI mode, the piston will stop in front position which eliminates unnecessary stresses, increasing the service life of Gearbox and its parts.
- Eliminate sparking on switch contacts



General circuit diagram



Circuit diagram with Pre-loading function

T238 电子刹车模组

描述:

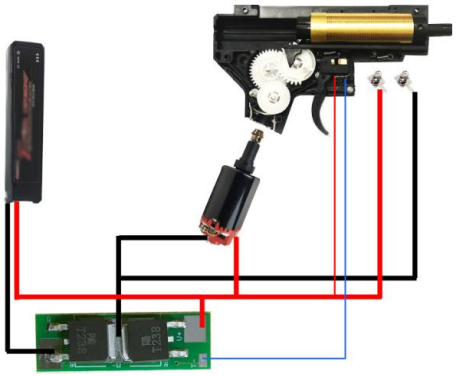
T238 电子刹车模组是具有主动刹车的 MOSFET 电子开关，专为水弹波箱设计，可以有效提高波箱射速和响应速度，同时可以解决波箱单发变多连发的问题。该模组最大使用 14.8V 电池。需要自行焊接和布线。

特点:

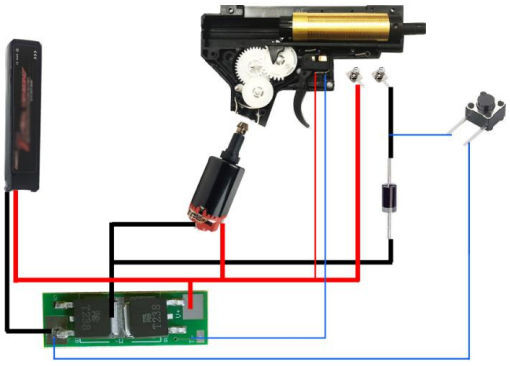
- 尺寸 9X30X5.5mm
- 工作电压 3-14.8V
- 具有主动刹车技术
- 高达 240A 启动电流和 100A 刹车电流

功能:

- 该模块直接把电流通过 MOSFET 芯片导向电机，而不通过原厂机械开关，因此可以提供更高的电流使波箱射速和响应速度更快，同时由于通过原厂机械开关的电流大大减少，有效的防止了烧开关的情况。
- 主动刹车使用来自电机的多余能量来停止电机惯性转动，高转矩电机制动效果最强。
- 主动刹车消除了高速波箱的过渡转动，解决了单发模式下的单发变多连发问题，同时使活塞停止在前位，消除了作用在弹簧上不必要的应力，提高了波箱及其零件的使用寿命。
- 减少开关组接触火花



普通接线图



带预供弹功能接线图