



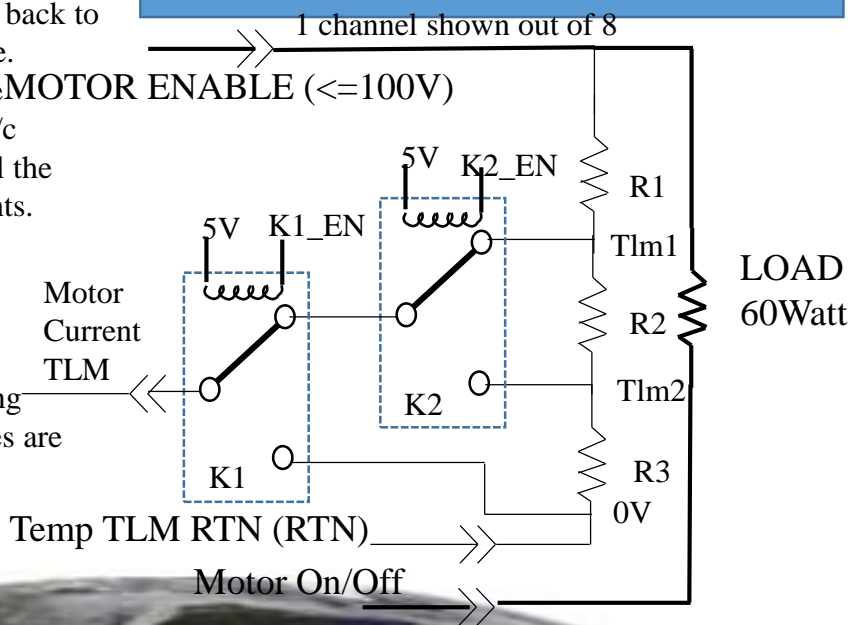
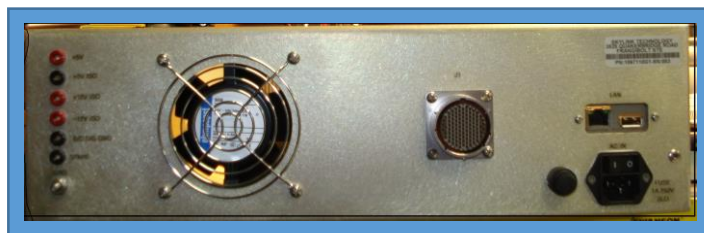
## Multi-Motor Array (MMA) STE Chassis:

### General Description:

This chassis has 8 loads. There are three telemetry states that can be selected to feed back as telemetry. These three telemetry states may be selected manually or via a user interface. In addition, there are 4 circuits to provide temperature telemetry values back to the system.

### Details:

- 8 Channels with Power Resistor loads at up to 100V to Spacecraft to simulate Motor Drive
- 8 Channels of Simulated Telemetry back to the spacecraft. Schematic shown here.
- 4 Channels may be used for passive MOTOR ENABLE ( $\leq 100V$ ) Temperature Telemetry back to the s/c
- User Interface over LAN to control the unit and view status and measurements.
- Manual or Automatic Control
- Automatic (script) control ensures repeatable test.
- Thermal overload monitoring
- Used for open loop spacecraft testing
- Interlock function ensures that cables are connected properly.



## MMA Temperature Telemetry Requirement

