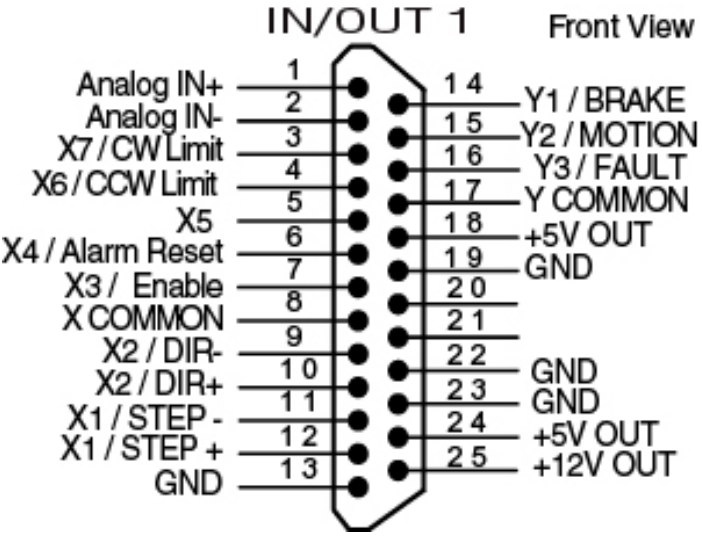
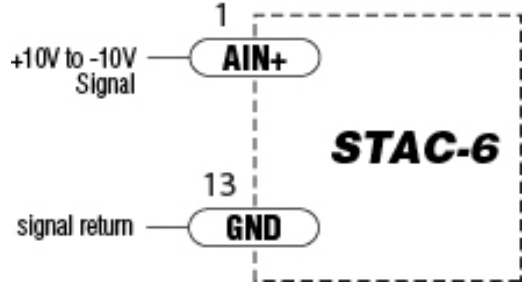


Connecting Analog Input on the IN/OUT1 connector



The STAC6 has a ±10 Volt analog input that can be used by the drive for a number of dedicated purposes for controlling the motor or can be used for general purpose analog input signals.



Three dedicated purposes:

- Analog Torque Mode
- Analog Velocity Mode
- Analog Positioning Mode.

Each of these three modes uses the analog input for "Commanding" the stepper drive.

Other uses include using an analog signal to stop a move when using any of the "Feed to Sensor" type moves and waiting on an analog signal using the "Wait on Input".

Basic Specifications:

- The analog input can accept ± 10 Volts.
- The input has an impedance of 20K ohms.
- Because of the nature of the design, the input will exhibit a 1.4V offset when not driven by an analog source.
- Low source impedance is important for minimizing analog errors, 100 ohms or lower is recommended.

WARNING - Analog input must be used with care. It is not optically isolated and may operate improperly or could be damaged when system grounds are not compatible.

Connecting an Analog Input to a Potentiometer or Joystick

