

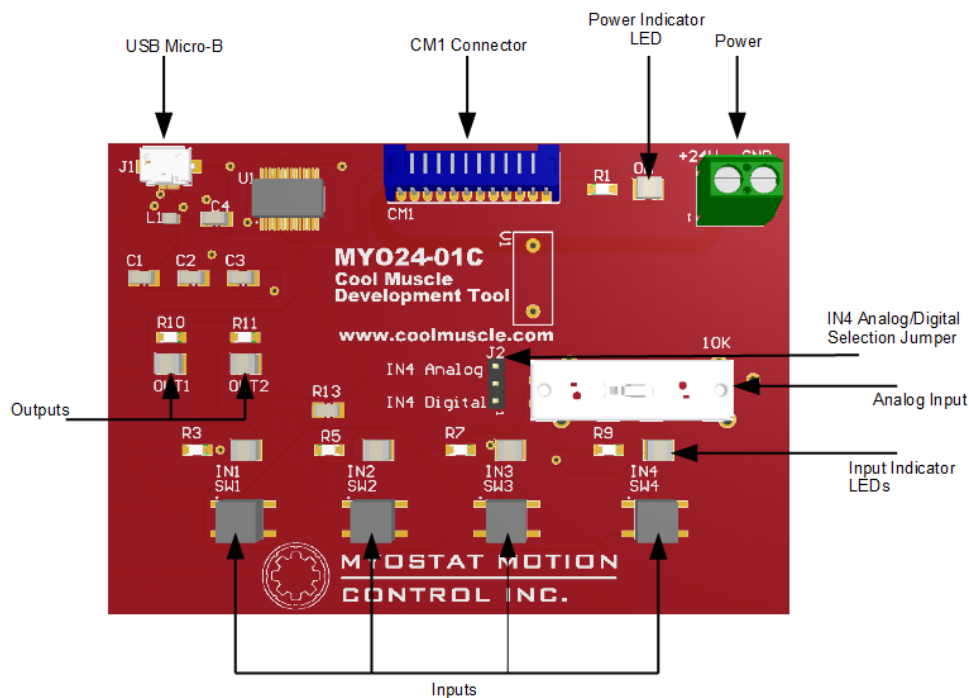
# CM1 Development Tool - MYO24

Version: 1.0.0

## Overview

The MYO24 CM1 development tool is meant to be used as a simple and convenient method for testing programming and simulating inputs and outputs on the CM1 motor. The tool comes equipped with a USB converter for easy communications, four input buttons for simulating sensors and other inputs, a linear potentiometer for simulating an analog input, and two LEDs for showing the state of the motor outputs. The MYO24 connects to the motor easily using a 12-pin straight through cable.

The MYO24 is powered by the same 24VDC power supply as the motor and features a varistor on-board to help reduce or eliminate voltage spikes from the motor. Power is connected to the screw terminal on board and is transferred to the motor through the 12-pin connector. There is no need for a separate power supply or separate wiring for the motor power.







CM1SRL1.pdf

## Inputs

The MYO24 features a tactile button for each input. Because Input 1 is used on the CM1 motor for communications, the IN1 button will only function if there is no USB cable connected to the MYO24 board.

Above each button is an LED. This LED will show that the input button is activated. This LED is not an indicator of anything from the motor, but merely that the button is depressed and is functioning. If the LED is lit, the motor should be getting the activation signal from that button.

Input 4 features a jumper pin to select either the tactile button, or a sliding potentiometer. This is used to simulate the analog input on the motor if needed. To select the potentiometer, set the jumper to IN4 Analog. To use the tactile button, set the jumper to IN4 Digital. The potentiometer will vary the voltage in to input 4 from 0 to 4.5V.

## Outputs

The MYO24 features an LED for each of the two outputs on the CM1 motor. Because output 1 is used on the CM1 motor for communications, the OUT1 LED will only function if there is no USB cable connected to the MYO24 board.

Each LED will activate when the corresponding motor output is activated.