

Stepper Drive Configuration

Document Rev C.

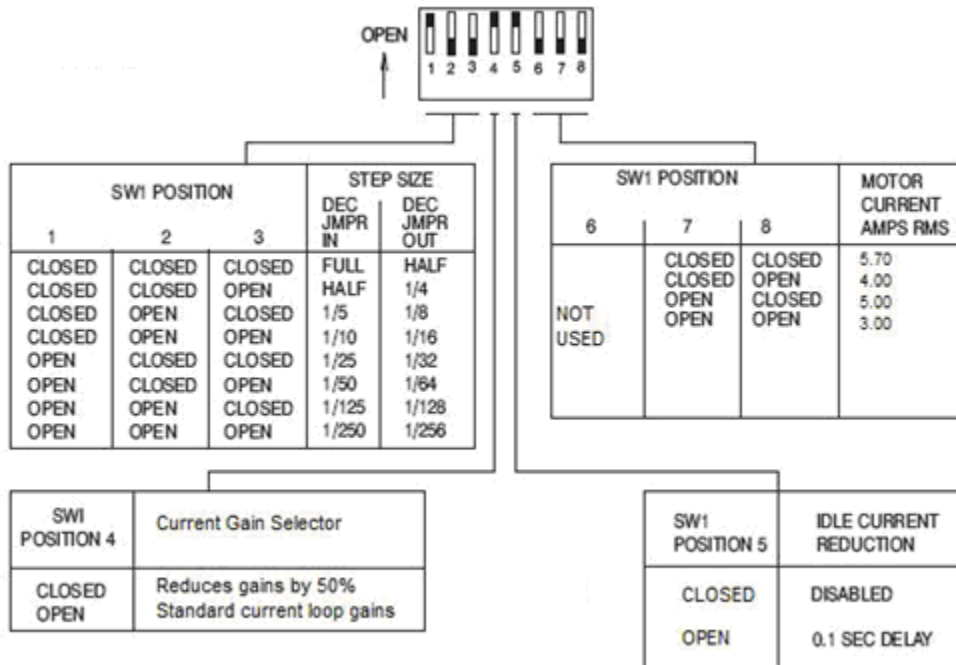
Introduction

The purpose of this document is to outline the procedures used to configure the A Squared StepServ motor drives jumper and DIP switch settings for StepServ firmware version SSR2DF071108.

DIP Switch Settings

The micro-step settings, idle current reduction, gain set and phase current configuration for the motor is done by adjusting the DIP switch S1. The settings are detailed in the figure shown below.

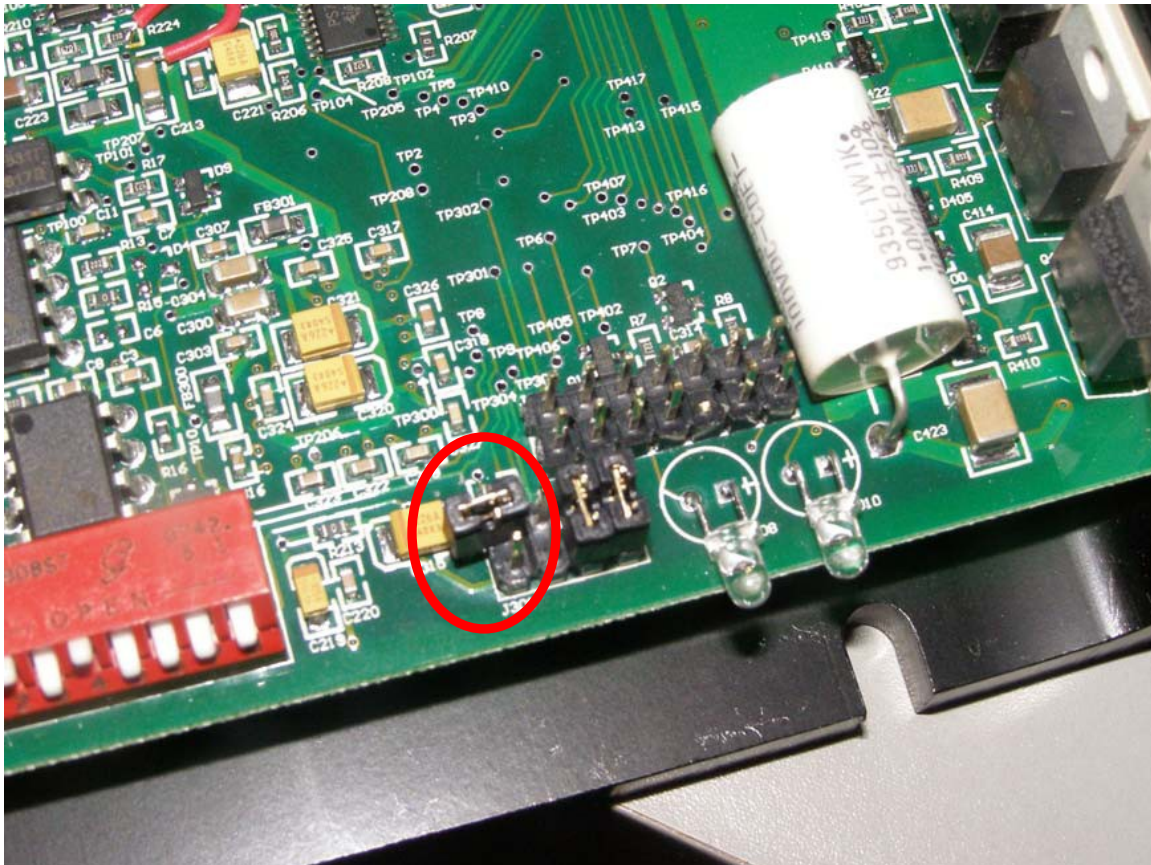
Figure 1. DIP Switch Settings



Binary and Decimal Mode Selection

The motor drive step size can be adjusted by installing a jumper in the position highlighted by the red oval in figure 2 below. Removal of the jumper sets the drive in binary mode while installing it sets the step size to decimal mode.

Figure 2. Selecting the Step Size



Technical Changes Made for Revision C Location Additions, Deletions, Changes

[Figure 1](#) Modified to diagram to reflect state change in the DIP switch position 5 to actuate the idle current reduction feature.

[Table 1](#) Added default DIP switch configuration table

[Figure 3](#) Added to show configuration of the boot from flash option.