

Universal Programmable Microstepping Stepper Motor



The MD2S from US Digital is a universal programmable microstepping stepper motor driver capable of driving size 17 to 42 stepper motors. DIP switches allow for the selection of 29 microstep resolutions from 5 to 256 microsteps per step. Motor currents are selectable from 0.5A to 7.0A per winding in 0.5 Amp increments. An L-option, low current version, is available with selectable current output from 0.20 to 3.6 Amps per winding in 0.05 Amp increments. It is powered by a single supply voltage from +16V DC to +50V DC. The device is available in two versions: MD2S-P which is a conventional Step and Direction input stepper motor drive and MD2S-D which is a Digital Speed Control Version. The MD2S-P conventional step and direction version has a 2 MHz maximum step input rate along with a 50 percent auto zero-speed current reduction option. The MD2S-D digital speed control version provides simple stop/go speed control with ramp up and down. The drive has 8 selectable slow and high speed velocity choices along with a selectable fast or slow acceleration. The drive's velocities and accelerations may also be factory customized to fit a specific application.

US Digital

800-736-0194, www.usdigital.com [1]

Click here for more information: <http://www.usdigital.com/products/md2s/> [2]

Source URL (retrieved on 02/01/2015 - 8:39am):

Universal Programmable Microstepping Stepper Motor

Published on Electronic Component News (<http://www.ecnmag.com>)

<http://www.ecnmag.com/product-releases/2007/09/universal-programmable-microstepping-stepper-motor>

Links:

[1] <http://www.usdigital.com/>

[2] <http://www.usdigital.com/products/md2s/>