

This Application Note applies to the Unidrive M400 Drive Series

M400 Setup for the E2 Controller

This document provides the basic parameter information on how to set the M400 up to communicate with the E2 controller.

Configuring the Unidrive M400 Drive

Important: Do not connect the E2 controller to the Unidrive M400 drive until programming is complete.

Sometimes it does not hurt to default the Unidrive M400 as the E2 will only provide the drive with the motor nameplate information. This is in case previous parameters were altered or if communications could not get established.

Default the drive: go to parameter #00.000 and change the setting to “Reset 60 Hz defs”. Then press the Enter button (the upper right button on the keypad). Complete the process by pressing the red stop/reset button (the button on the lower right of the keypad) once and the setting will return to “No Action”.

Make the following parameter changes in the following order:

Parameter	Setting/Value	Notes
#00.005	Preset	Drive configuration: set up for preset speeds
#00.010	All Menus	Security status: set up to access all menus & parameters
#06.004	6	Start/stop logic
#11.023	2	Serial Address: also make sure this matches whatever is in the E2
#11.024	8 1 NP	Serial Mode
#11.020	On	Serial Reset: this will return to "Off" by itself

Save the parameters: Go to parameter #12.000 and change the setting to “Save Parameters”, press the enter button and then press the red stop/reset button once. The setting will return to “No Action”.

At this point the M400 drive can be connected to the E2 controller to establish communications.

Resources: can be found on our website: www.controltechniques.com

For help contact techsupport.cta@mail.nidec.com, or
call Technical Support at 952-995-8000, 24/7/365