



Document Reference: AN060011VS1

How to Upload & Download Parameters using the VS1 Smart Keypad

Required Equipment:

VS1SP Inverter
VS1GV Vector
VS1SD Servo

Introduction:

This application note will describe how to upload and download parameters by using the VS1 keypad. This process allows for “cloning” of multiple VS1 controls with one programmed Smart Keypad. There are three different options available for downloading parameters to the Smart Keypad. They are as follows:

ALL = Download all parameters
Motor = Download only Motor Data parameters
Other = All parameters other than motor parameters

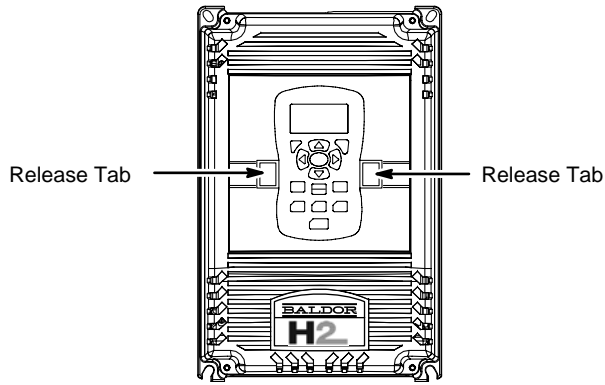
Procedure:

Downloading Parameters to Smart Keypad

1. Press the MENU button on the keypad.
2. Using the down arrow key, scroll down to PROGRAMMING and press the ENTER key.
3. Select LEVEL 1 BLOCKS and press ENTER.
4. Using the down arrow key, scroll down to KEYPAD SETUP and press the ENTER key.
5. Using the down arrow key, scroll down to the PARAMS TO KEYPAD parameter and press the ENTER key.
6. Select YES and press the ENTER key. At this time, the parameters stored in the control memory are transferred to the keypad memory according to the value of the DOWNLOAD SELECT parameter.

Once parameters are successfully downloaded to the Smart Keypad, the keypad can be removed by pressing the two release tabs on each side of the keypad. Refer to Figure 1.

Figure 1



Uploading parameters from Smart Keypad to VS1 control

To upload the parameters from the Smart Keypad to the VS1 control, plug the keypad into the VS1 control that will be receiving the new parameters. Follow these steps to complete the parameter upload:

1. Press the MENU button on the keypad.
2. Using the down arrow key, scroll down to PROGRAMMING and press the ENTER key.
3. Select LEVEL 1 BLOCKS and press ENTER.
4. Using the down arrow key, scroll down to KEYPAD SETUP and press the ENTER key.
5. Using the down arrow key, scroll down to the KEYPAD TO PARAMS parameter and press the ENTER key.
6. Select YES and press the ENTER key. At this time, the parameters stored in the keypad memory are transferred from the keypad to the control memory.

Summary:

When uploading and downloading parameters from one VS1 control to another, verify the value of the DOWNLOAD SELECT parameter in the KEYPAD SETUP programming block. For example, if multiple VS1 controls are to be “cloned”, but they all have different HP ratings, you would not want to select ALL for the DOWNLOAD SELECT parameter value.

