

**This Application Note applies to the H300 Electronic Bypass Panel**

## **Reset to default parameters**

This application note will describe how to reset the drive back to factory default parameters. There are specific parameters set in the drive to coincide with the electronic bypass pcb and often times when a drive is exhibiting strange behavior it is because some parameters have inadvertently been changed to incorrect settings. The best way to fix this is to reset back to factory defaults.

### **Reset the Drive**

The first step is to reset the drive to its defaults. Set parameter 00.000 to “Reset 60 Hz defs” or “Reset 50 Hz defs” then press the reset button on the drives keypad. Once 00.000 goes back to “No Action” the drive is back to its default settings and its time for the next step.

### **Programming**

Now that the drive is back to its default settings its time to enter the motor data and the parameters for the drive to work with the electronic bypass pcb.

Get the data from the motor name plate and enter the info here:

Motor rated voltage	Pr 0.018	Motor rated current	Pr 0.020
Motor rated speed in RPM	Pr 0.019	Motor rated frequency	Pr 0.021

Enter the following parameters:

Pr 1.007 to 15 Hz or desired minimum speed	Pr 7.010 to 0.000
Pr 1.051 to LAST	Pr 7.014 to 1.036
Pr 1.052 to 0	Pr 8.011 to 1 or ON
Pr 2.006 to ON	Pr 8.021 to 10.001
Pr 2.007 to 100	Pr 9.004 to 8.003
Pr 2.011 to 100	Pr 9.006 to 8.006
Pr 2.021 to 100	Pr 9.010 to 1.043
Pr 5.015 to 1.0	

The default configuration sets the analog input (speed reference) for a 4-20 mA signal but it can be changed to 0-10 Vdc signal by changing 7.011 to VOLT.

Press reset and ensure there are no trips if the drive trips on DEST double check that 7.010 is 0.000. Now save the parameters by setting 0.000 to “Save Parameters” and pressing reset, once 0.000 goes back to “No Action” the parameters have been saved.

**Resources:** can be found on our website: [www.controltechniques.com](http://www.controltechniques.com)

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