



224 Forest St, Manchester, NH 03102 603.359.8963

## **LENZE VFD TRANSDUCER GUIDE**

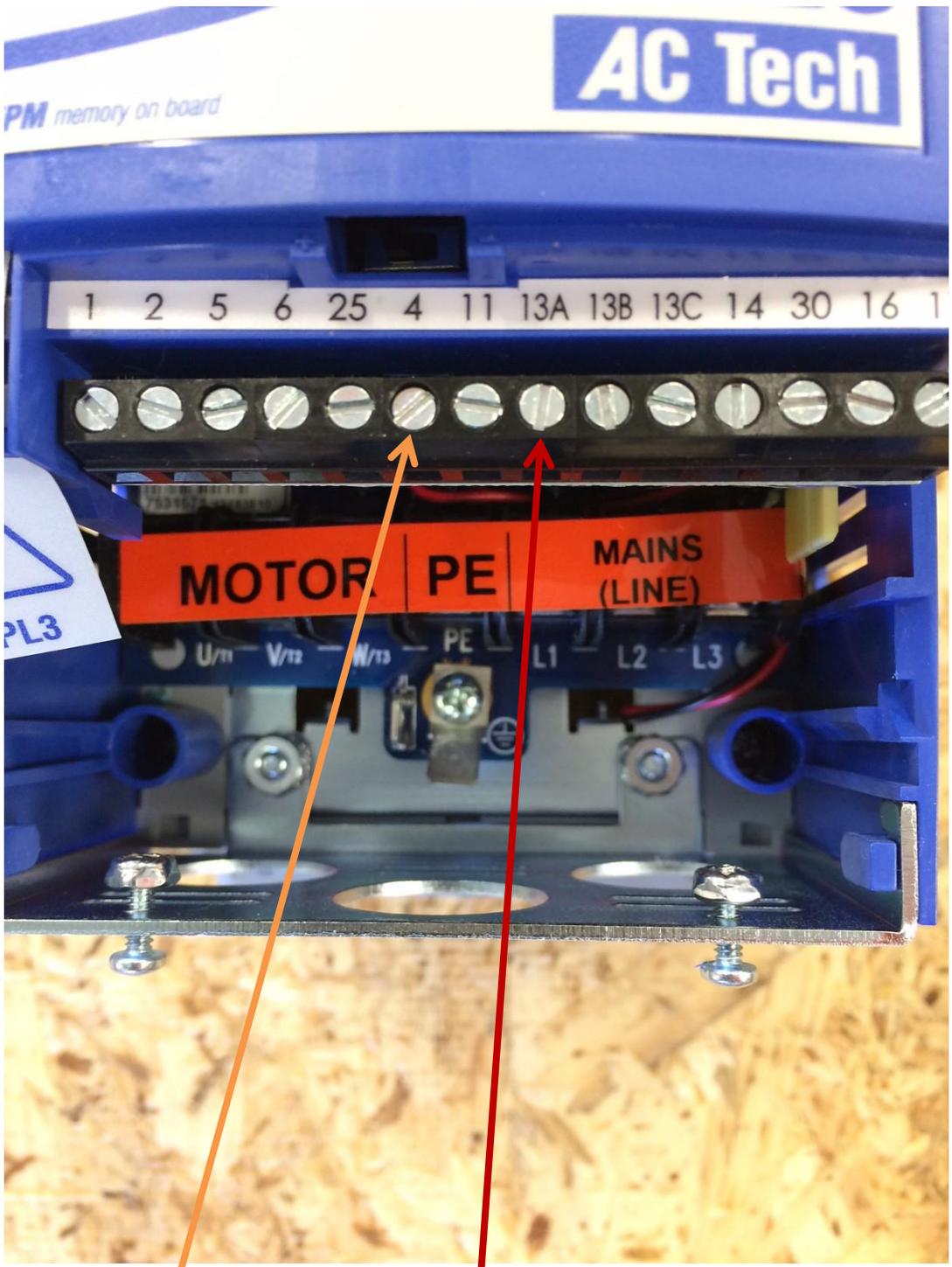
This guide is designed to walk through the programming of the Lenze VFD after a vacuum transducer is installed.

There are a few steps in the programming of the VFD that need to happen to allow the drive to function correctly with the transducer. There will be a jumper installed and also programming.

The transducer provides feedback to the VFD to tell the VFD what the vacuum level is in the system. Based on the feedback and the setpoint, the VFD will change the speed of the pump to try and achieve this level.

### **Wiring the Drive:**

- Terminal 13A needs to be jumpered to terminal 4.
- The red wire for the transducer goes to terminal 11 and black wire goes to terminal 25
- If you remember from the quickstart guide that terminal 1 and 4 are your control loop. Place both the control wires and the jumper into terminal 4.



Terminal 4

Terminal 13A

## **Programming:**

To program the Lenze VFD you must push the M button. The M button will bring PXXX functions on the screen. Once the PXXX function is on the screen you can switch up and down and find the parameter you would like to change. To hit enter press M again. This will allow you to change the parameter. Hit M again and it brings you back. There are arrows on the picture below showing you the up and down buttons along with the M.

The parameters that need to be changed are as follows:

**P121: 6**

**P179: 523**

**P200: 1**

**P201: 0**

**P205: 29.9**



**Up and Down**

**Program Button**

If you have any questions about VFD's, programming, or pumps, do not hesitate to call or email us ([info@mapleexperts.com](mailto:info@mapleexperts.com)).

MES are not licensed electricians and anything in this quickstart guide is to be used at your own risk. By accessing or printing these instructions you have assumed all responsibility. This guide is for informational purposes only. It is suggested that you hire a licensed electrician for your electrical installations. Please be aware that you are assuming all risk if you install yourself.