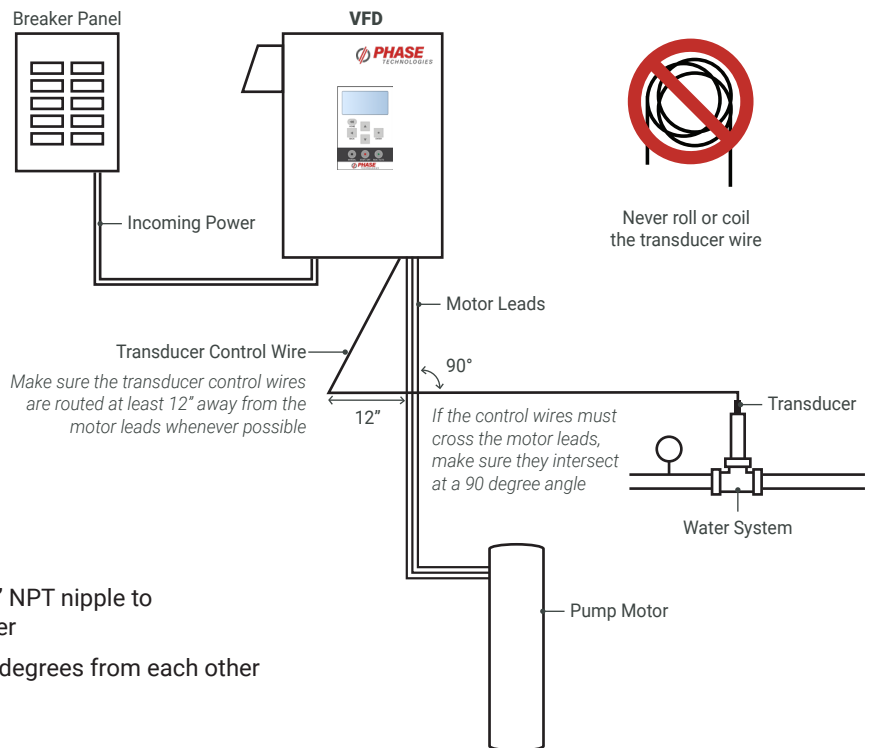
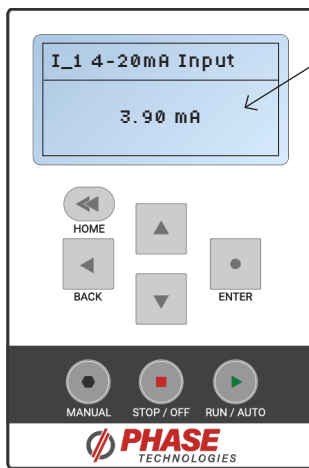
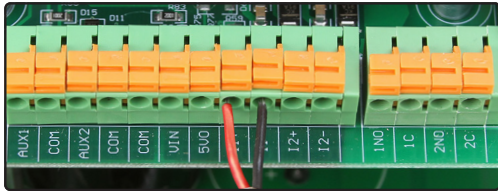


Installation Guidelines (using a Phase Technologies supplied transducer)

1. Prepare transducer wire by keeping the shielding as close to the terminals as possible.
2. Clip the bare ground wire flush with the cable shielding. Do not hook to a grounding terminal.
3. Strip transducer + positive and - negative wires approximately 3/16" from the end.
4. Connect Red or White wire into I1+ and the Black wire into I1-.
5. Pull on each connection to confirm they are secure.
6. Power up the drive and navigate to Read Measured Values by pressing the HOME button, then the UP arrow. Press Enter and then use the UP arrow until the screen shows the following at 0 psi.
7. If the mA are less than 3.80 check connections. If they are secure, try swapping the transducer leads. Recheck input value.



Common Issues

Do

- ▶ Use a 3" **non-metallic** "T" fitting or plastic 1/4" NPT nipple to prevent noise from coupling to the transducer
- ▶ Cross the transducer and motor leads at 90 degrees from each other whenever possible
- ▶ Always cut the transducer wire to length

Do Not

- ▶ Do not route the transducer wire in the same conduit or parallel to the motor leads
- ▶ We do not recommend splicing transducer wire. If a wire must be spliced the additional wire should be shielded and the splice must be a soldered connection. Do not use wire nuts.
- ▶ Never roll or coil the transducer wire.

Finally, if the transducer signal is still intermittent or unavailable, replace with a new Phase Technologies approved transducer.

Additional Notes:

1. Grounding for the VFD should be less than 4 Ohms to ground to limit noise in the VFD. (See Grounding Guide for details)
2. The pressure transducer should be a minimum of 12" from any joint, be placed between the well and any shut off valves (so you can't dead head), and not be placed directly on a check valve.