Modulating Induced Draft System with VSAD
8/10/12-230 Inducer, CPC-3 Controller and 230 volt VFD

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**WARNING:** Improper wiring to the transducer will destroy the transducer. Use caution to ensure that the wiring to the transducer is correct before activating the CPC-3 controller.

**CAUTIONS:**

1. All wiring must be in metal conduit (best) or shielded cable.
2. Route transducer wiring in metal conduit or use Belden Shield Cable #9939 or equivalent. Make sure the transducer wiring does not contain or cross line voltage wiring or undesired transducer performance may result.
3. Do not run the VFD's input power and output power wiring in the same conduit. Undesired VFD operation could result.

**NOTES:**

- If the provided 10-foot, 10-wire VFD control cable is not long enough to meet the application needs, use caution to ensure that the connections from the VFD to the CPC-3 controller are correctly located. MB to MB, MC to MC, etc. in addition, reference the Wire Length Table.
- Use caution to seal the electrical box cover to the electrical box, and to seal the conduit holes to hole plugs.
- If required, non-fused disconnects are to be supplied by the installer.
- For vertical termination of the VSAD venter, connect the S2 port to the orange wire and cap off the gray wire as shown.
- Use caulking to seal the electrical box cover to the electrical box.
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