

LVDT Application Considerations

Mounting Requirements

- If replacing older 'legacy' bodies, the mounting hole pattern of the VeriFast™ LVDT will be different than the existing hole pattern. An adapter plate may be required to mount the LVDT body, as the new mounting holes would be drilled too close to the existing ones.

Weld Gun Opening Requirements

- Base Mount LVDT weld bodies are approximately 1/2" taller than 'legacy' bodies. Threaded and Tapered mounted LVDT bodies are approximately 1 3/4" taller than 'legacy' bodies. If an adapter plate for mounting is required, the gun opening and/or components (e.g., upper electrode/holder) may need to be adjusted.

Pneumatic Requirements

- CenterLine requires the use of Air Blow-By, where air is constantly exhausted past the weld pin to prevent weld spatter from accumulating. (Note: At a minimum, air is required for pin up to replace the spring). Please refer to the "Establishing the Pneumatic Service Connection" section in the VeriFast™ LVDT User Manual for additional information.

Controls Requirements*:

- If using Signal Conditioners, confirm that the analog card has enough analog channels and 15/16 bit resolution.
- If using VeriFast™ MicroView, ensure that enough 24 VDC digital I/O is available.
- Confirm that the correct number and type of cables are available.

How to Order:

1. Every VeriFast™ LVDT must be reviewed by CenterLine before ordering.
2. Complete the [Weld Fastener Application with VeriFast LVDT](#) form available on the CenterLine website.
3. Contact your CenterLine Account Manager to proceed.

* For reference, please consult the following documents:

- VeriFast™ LVDT User Manual – see section "Wiring the VeriFast™ LVDT and Signal Conditioner".
- VeriFast™ MicroView User Manual – see section "Wiring the Ports of VeriFast™ MicroView".