

CTC AppNotes

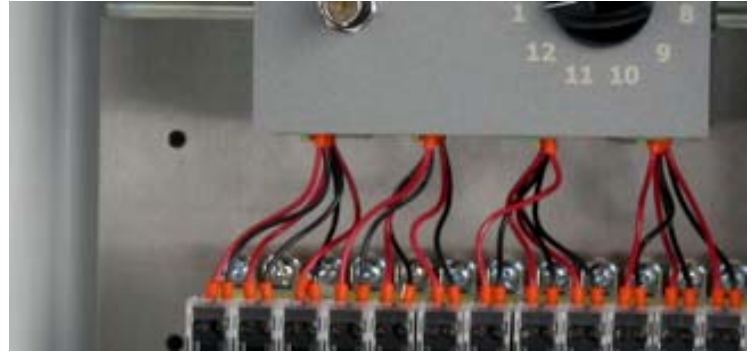
A series of technical documents written by members of the CTC community

Intrinsically Safe Barrier Enclosures with Switch modules for Safe Zone installation

As more resources are focused on the combination of providing for our energy needs and maintaining a safe environment, we see greater demand for intrinsically safe applications. CTC's new SSB9100 and 9200 series enclosures combine a switched module with xener safety barriers in a single easy to install enclosure.

Designed with the analyst in mind

The switch module included in the ssb900 series enclosures is designed for easy access. Incorporating both a 2 pin MIL output and a BNC output allows the analyst to collect data even if they forget one of their cables when on the route. The switched module also comes with a DIN rail mount to make expansion easier.



SSB9000 series enclosures are pre-wired. The barriers are already connected to the switch module so all the installer or analyst needs do is land sensor wires on the barriers.

Ease of use

Internally, the SSB9100/9200 series enclosures are pre-wired. The barriers are already connected to the switch module so all the installer or analyst needs do is land sensor wires on the barriers. Caution must be exercised when mounting this enclosure to make sure that the whole unit is mounted inside the safe zone,

VIBRATION ANALYSIS HARDWARE



Inside the SSB9100 enclosure, showing the two options for outputs, 1 BNC and 1 two pin MIL, with a capacity for up to 12 sensor inputs.



IS111-1B Xener Barrier is designed to limit energy to the Intrinsically safe barriers

SSB9000 series enclosures can be obtained from our website, www.ctconline.com.

If you have any questions or for further information please contact CTC directly via Email at dgripe@ctconline.com or jsmith@ctconline.com or feel free to call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally.

**

If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.