CTC modular switch box solutions allow for the monitoring of remotely mounted vibration sensors, which would otherwise be restricted to human access due to safety considerations.

The **SSB2000/SSB2001 Series** 4-12 Channel stainless steel modular switch box is used to convert the two-conductor input wiring of up to 12 remotely installed accelerometers, piezo velocity sensors, tachometers, proximity probes, and/or temperature probes to a switched BNC and a switched two-pin MIL spec connector for data collection. Input wiring from each sensor is connected to the outputs via quick-connect or screw terminal blocks. Each terminal block includes inputs for signal/power, common and shield. The shield drain wire is earth grounded via a ground stud that is mounted to the side of the fiberglass enclosure.

Additional switch box modules can be installed or removed after initial manufacturing and on-site installation, using the quick-release DIN rail clip. Each new module features a detachable plug for easy cable installation. If continuous output is desired, select the SSB2001 Series. On all continuous output modules, a quick disconnect T-plug is available to easily connect and disconnect the input wiring.

Rated for NEMA 4X (IP66), the SSB2000/SSB2001 Series can withstand harsh environments including temperatures ranging from -58 to 180 °F (-50 to 82 °C). The box is also resistant to hose directed fluid and corrosion. A twist lock is installed on the door allowing the box to be sealed from the elements when not in use.

**CABLE INPUT ORDERING OPTIONS**

A. User Defined
B. Conduit Fittings
C. Nylon Cord Grips
S. Stainless Steel Cord Grips
FEATURES COMMON TO BOTH ENCLOSURE OPTIONS

▶ Both provide a switched output to either a BNC jack or 2 pin MIL-Style connector
▶ The single output box will accommodate up to 12 single axis channels while the Dual Output box will accept up to 8 dual output channels, for a total of 16 channels of measurement
▶ Continuous output options available
▶ Both enclosures can be easily mounted on a variety of surfaces
▶ Both accept input from accelerometers, proximity probes, tachometers, and temperature probes
▶ Both enclosures offer quick release input terminal blocks
▶ Both are available in two options: fiberglass or stainless steel enclosure

ADVANTAGES OF MODULAR SWITCH BOXES

While the cost is slightly higher for the initial purchase of a partially populated modular box versus a similar standard box, Modular Switch Boxes offer increased flexibility:

▶ The convenience of only having to purchase CTC parts JB907-1A for single output or JB930-1A for dual output boxes when adding additional channels
▶ No need to send the enclosure back to the factory to have the switch and board modified for the additional channels
▶ The flexibility of being able to move the module to a different enclosure should your needs change