

Submittal Data Sheet

Features

The Powerex Alarm Panel monitors and displays normal and alarm conditions from up to 16 remote medical gas source signals. Pressure switches and DISS union check valve connectors are sold separately. If desired, up to two gas module boards and transducers may be incorporated to provide real time on-site gas pressure readings. Alarms may be set on the gas boards to alert the bulk driver during the fill process if the head pressure is 'crashing'.

- Complies with NFPA 99. Made in the USA.
- Self-contained unit designed for ease of installation & service.
- MCP circuit board available for interface to building management system.
- Microprocessor controlled.
- Self-diagnostic and error message display for ease of maintenance.
- Audio and visual alarm indicators.
- Bright easy to read L.E.D. displays – clearly visible in both day and night lighting conditions.
- Visual (green) indication of normal condition.
- Constant display and monitoring of each source alarm signal.
- Individual user programmable remote signal alarm points (NC, NO or disabled).
- Dry contacts for remote monitoring of all alarm conditions.
- Alarm history display of previous alarm conditions.
- Hinged frame with lanyards for easy accessibility.
- Three year PC board warranty.
- Real time main line gas pressure readout modules available.

Specification

The Master Alarm Panel shall be the Powerex Master Alarm Panel. The panel shall be microprocessor controlled and designed to comply with NFPA 99. The panel shall be 100% digital and shall not require re-calibration. The panel shall be able to interface with building management systems with the use of an MCP circuit board. The master alarm panel shall be compatible with the T-Net PC based medical gas information management system. The alarm panel shall be enclosed in a steel box inside a NEMA 4X box and shall be designed to accept an electrical input range of 120-240 volts AC – 50-60 hertz. The source voltage shall be stepped down with a self-contained transformer. The



Master alarm shown above is 16 signals part # PX-SDU16-03

panel shall contain audible and visual alarm indicators. The audible alarm may be silenced by pressing the alarm silence button, but the visual alarm indicator can only be cancelled by fault correction. The alarm shall detect and filter out transient signals (less than 0.6 seconds).

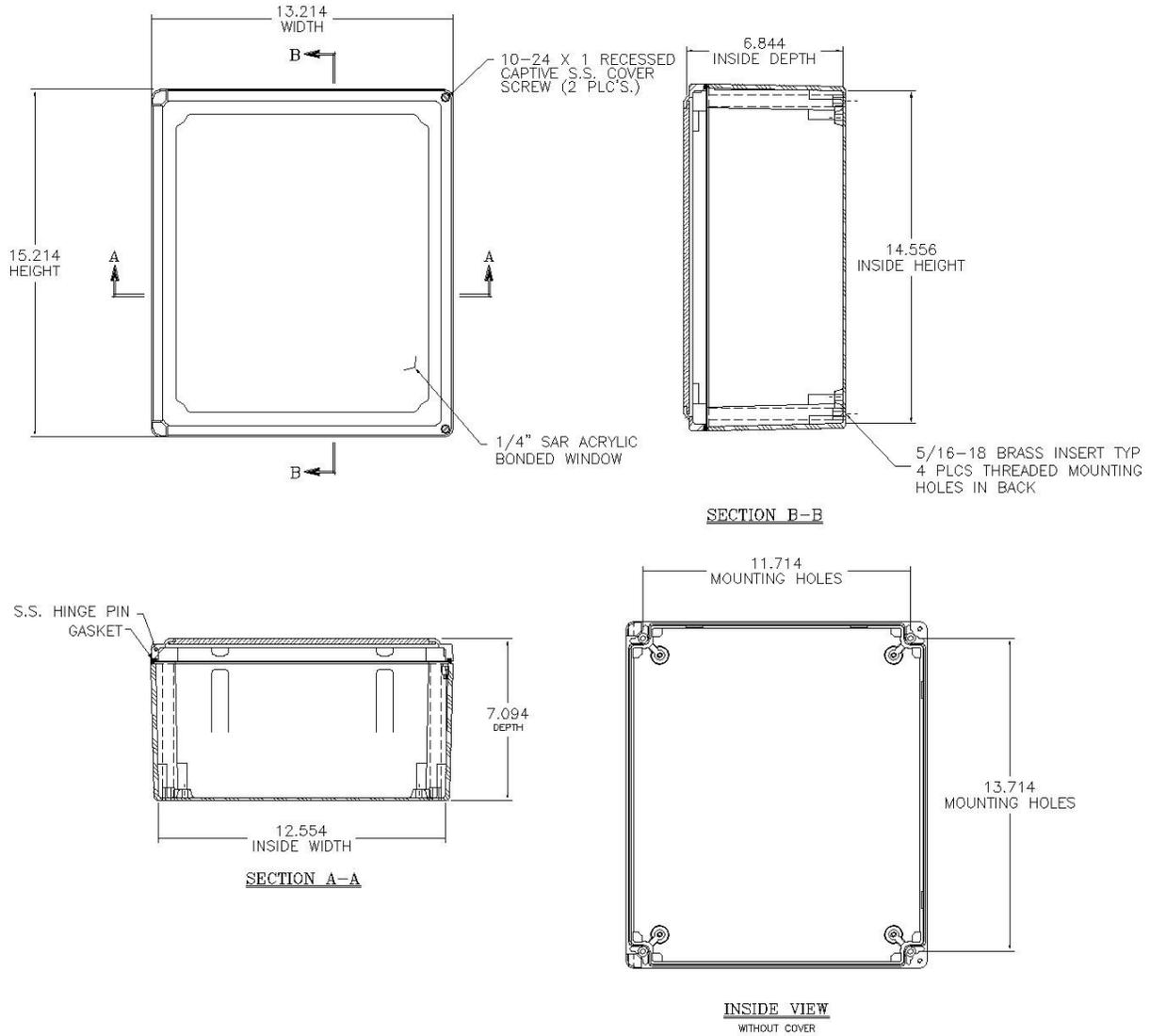
The alarm shall be capable of displaying alarm history for all possible alarm conditions. The alarm shall be capable of monitoring and displaying up to 16 medical gas source signals and incorporating up to two digital gas pressure module displays.

In addition, each 16 signal Master Alarm Module shall incorporate the following features:

- Individual user programmable remote signal alarm points to accept NO or NC signals, or may be disabled. Factory preset to accept Normally Closed signals.
- LED indicators (Green) confirms normal status, (Red) indicates abnormal condition.
- Each signal easily labeled and positioned to suit any requirement using self adhesive labels provided with the alarm.
- A set of dry contacts with relay to trigger an optional remote alarm in the event of an alarm condition.

In addition, each digital gas pressure module shall incorporate the following features:

- Does not require re-calibration.
- Gas specific sensor with DISS nut & nipple. An error message will be displayed if incorrect or no sensor is attached.
- User programmable pressure limits (Preset from factory @ 60/40 psig & 12 in Hg).
- Transducers may be remotely mounted up to 5,000 feet away.
- Shall be capable of displaying gas readouts in PSI (in Hg), BAR or kPa.



Ordering Information

Part #	Description
PX-SDU16-03	16 signal master (2 slot) in a Nema 4X enclosure
PX-SDUOF16-03	Oxygen digital gas module +16 signal master (2 slot) in a Nema 4X enclosure + future digital gas module position