

Master Alarm

General Specifications:

The Master Alarm Panel monitors and displays normal and alarm conditions from up to 64 remote medical gas source signals. Pressure switches and DISS union check valve connectors are sold separately.

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 have an optional Ethernet compatibility for communications. The alarm panel shall be enclosed in a steel 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 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.



Each source signal module shall monitor 16 signals. The alarm shall be capable of monitoring and displaying up to 64 medical gas source signals in increments of 16 source signals. The alarm is modular and may be initially installed as a smaller unit (i.e. 16 signals) and later expanded to (i.e. 32 signals).

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

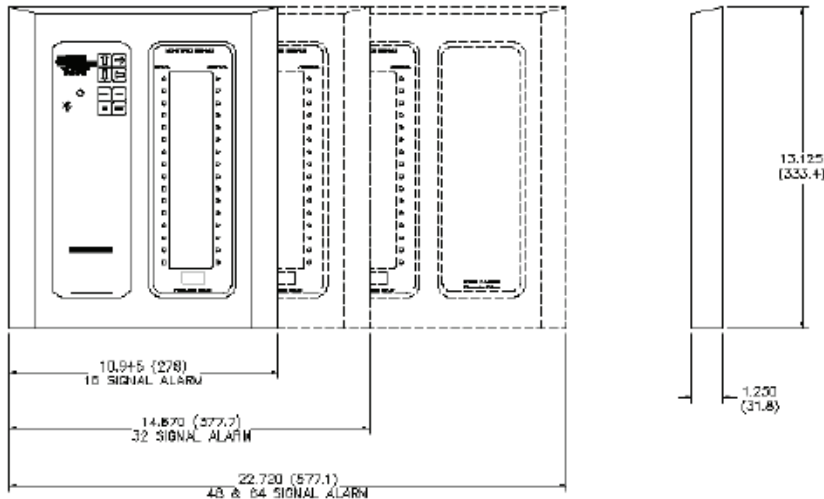
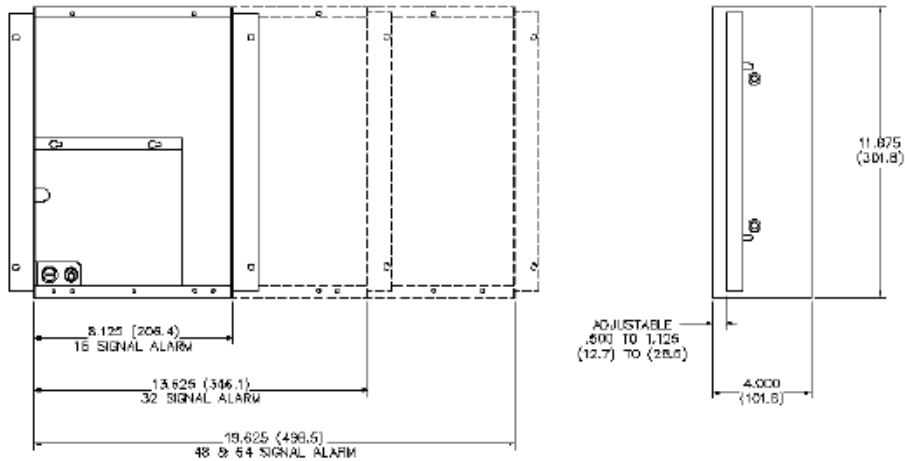
- Individual user programmable remote signal alarm points to accept NO or NC signals, or may be disabled. Factory preset to accept Normally Closed signals
- LED indicators (Green) confirms normal status, (Red) indicates abnormal condition
- Each signal easily labeled and positioned to suit any requirement 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

Features:

- ETL listed to UL-1069 and CSA-C22.2 No. 205
- Complies with NFPA 99
- Self-contained unit - designed for ease of installation and service
- Relay Option circuit board available for interface to building management system
- Microprocessor controlled
- Self-diagnostic (test button) 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

Technical Specifications:

DIMENSIONS - INCHES (MM)



Example: 3 Slot box , English
(32 Functions) = A1M-32

Model Numbers



16 functions =
A1M-16
2 slot box



32 functions =
A1M-32BB
5 slot box w/ 2 Blanks



16 functions =
A1M-16B
3 slot box w/ Blank



48 functions =
A1M-48B
5 slot box w/ Blank



32 functions =
A1M-32
3 slot box



64 functions =
A1M-64
5 slot box

NOTE: Add "R" Suffix to the end of the Part number if Relay board is required

NOTE: AVAILABLE ONLY IN 2, 3 & 5 SLOT BOXES