

specifications

The Digital Area Alarm system shall be an Amico Alert-2 series, complete with a five-year warranty.

The alarm shall be microprocessor based with individual microprocessors on each display and sensor board. The sensors shall be capable of local (in box) or remote mounting. Each sensor and display unit shall be gas specific, with an error message display for an incorrect connection.

The area alarms shall be of modular construction and shall be field expandible with the addition of extra modules. Up to six services can be accommodated per standard box.

Each specific service shall be provided with an LED digital read-out comprising of 0-250 psi [0-1,724 kPa] for pressure and 0-30" Hg [-100-0 kPa] for Vacuum. The digital read-out shall provide a constant indication of each service being measured. A bar graph trend indicator shall be provided for each service indicating a green "NORMAL", yellow "CAUTION" and a red "HIGH" or "LOW" alarm condition. Under normal operation the bar graph display shall move up and down in the "GREEN" range depending on service usage. If an alarm occurs, the "RED" alarm light shall flash and the audible alarm will sound. Pushing the "ALARM MUTE" button will cancel the audible alarm, but the unit will remain in the alarm condition until the problem is rectified.

The default set-points shall be +/- 20% variation from normal condition. In the calibration mode the following parameters shall be field adjustable: High/Low set-points, Imperial/ Metric units, Repeat alarm Enable/Disable. Set-points shall be adjustable by two on board push buttons.

In addition, "TEST" & "ALARM MUTE" buttons shall be easily accessible to operate and test the unit.

The box shall be fabricated from 18 gauge [1.3 mm] steel with 1/4" [6.4 mm] I.D. type "K" copper pipe for connection to the service line. The box mounting brackets shall be adjustable to accommodate for different wall thickness.

Input power to the Amico Alert-2 alarm is: 115 VAC to 220 VAC, 50 to 60 HZ.

The Alarm is UL Listed to U.S. and Canadian safety standards.

Amico products comply with NFPA-99.

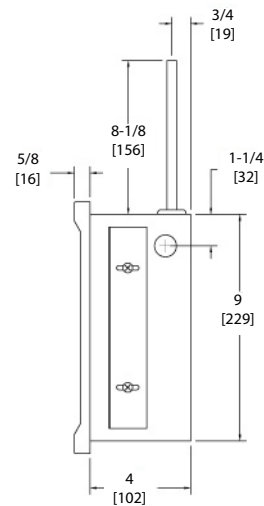
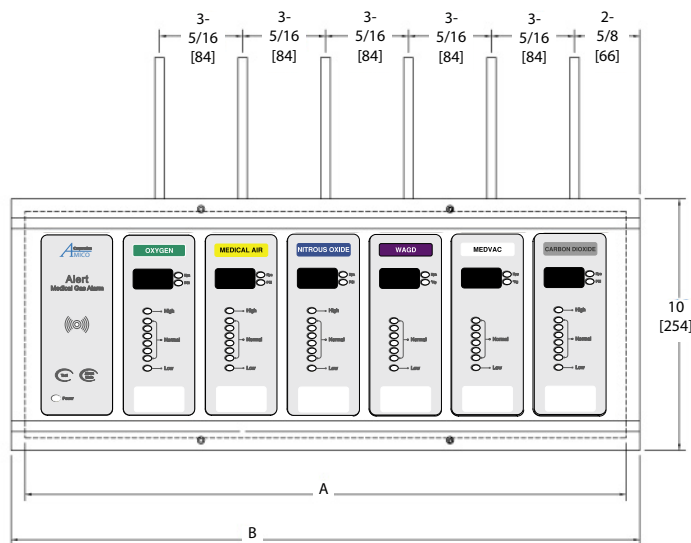


features

- ▶ Individual Microprocessor for each display and sensor module
- ▶ Digital sensors can be mounted locally or remotely utilizing twisted pair wiring up to 5,000 ft. [1,524 m]
- ▶ True digital LED read-out with red "alarm", yellow "caution" and green "normal" trend indication for each service
- ▶ psi, kPa or Bar read-out (switch selected)
- ▶ Illuminated LED display readable even in poor lighting conditions
- ▶ Self diagnostic and error message display for ease of maintenance
- ▶ High / Low Alarm setpoints are field adjustable for each individual gas service
- ▶ Optional interface to the hospital Amico Information Management System (AIMS)
- ▶ Master Alarm modules can be intermixed with Area Alarm modules
- ▶ Repeat alarm, adjustable from 1 to 60 minutes, or off
- ▶ Dry contacts for remote monitoring of the high and low alarms
- ▶ Gas specific sensor with DISS nut and nipple. Display module, with an error message for incorrect sensor to display connection
- ▶ All modules are mounted on a hinged frame for easy accessibility
- ▶ Optional interface to PC running Windows
- ▶ Ethernet Compatible

project

area alarm - microprocessor based with local or remote sensors

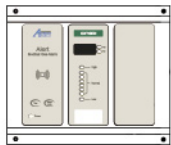


Inch
[mm]

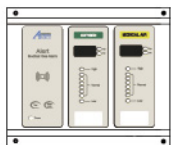
NOTE: DISS demand check valves by 1/4" NPT, supplied with each remote sensor.



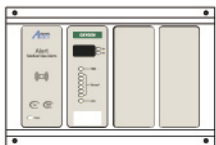
1 module =
A2AL-E-X
2 gang back box



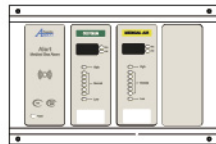
1 module =
A2AL-E-X
3 gang back box



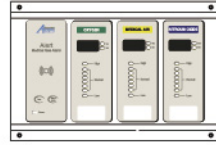
2 modules =
A2AL-E-XX
3 gang back box



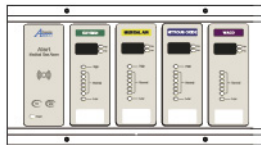
1 module =
A2AL-E-X
4 gang back box



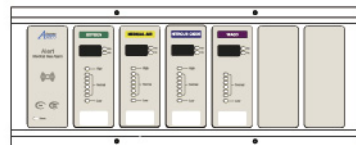
2 modules =
A2AL-E-XX
4 gang back box



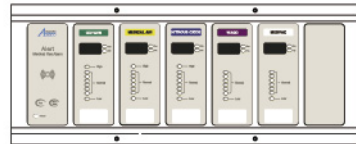
3 modules =
A2AL-E-XXX
4 gang back box



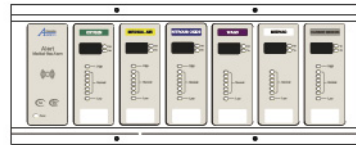
4 modules =
A2AL-E-XXXX
5 gang back box



4 modules =
A2AL-E-XXXX
7 gang back box



5 modules =
A2AL-E-XXXXX
7 gang back box

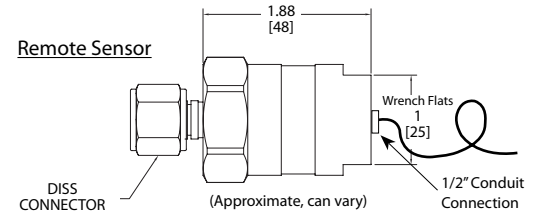


6 modules =
A2AL-E-XXXXXX
7 gang back box

Example: 4 Gases, English ISO, Local pressure sensors, Oxygen, MedVac, Medical Air and Nitrous Oxide = A2AL-E-OVA2

NOTE: Please specify the gang back box on each alarm.

Number of Display Modules	A	B	Gang
1 module	7 (178)	8 (203)	2
From 1 to 2 modules	11 (272)	12 (305)	3
From 1 to 3 modules	14 (356)	15 (381)	4
From 1 to 4 modules	17 (439)	18 (465)	5
From 1 to 6 modules	24 (610)	25 (635)	7



model numbers

L = Local (in box) sensors
R = Remote sensors

A2AL-E-XXXXXXXX

The X defines the Gas:

Oxygen = O
Medical Air = A
MedVac = V
Nitrous Oxide = 2
Nitrogen = N
Carbon
Dioxide = C
WAGD/AGSS = E

U = English (NFPA)
E = English (CSA)
F = French (CSA)
S = Spanish (NFPA)