Compact / Master Alarm Combination

Features:

AREA ALARM

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", normal green trend indicator for each service Illuminated

LED display readable even in poor lighting conditions

Psi, kPa or BAR read-out (switch selected)

High/low alarm set-points are field adjustable for each gas service

Repeat alarm, adjustable 1 to 60 minutes or off

Gas specific sensor with DISS nut and nipple.

Display module with an error message for incorrect sensor to display connection

MASTER ALARM

Maintenance mode for ease of trouble shooting

Modules can be upgraded in the field to interface to a building management system or slave alarm

Repeat alarm adjustable 10, 15, 30 minutes or off

OTHER FEATURES

Dry contacts for remote monitoring of high and low alarms and the distance between the master module and source equipment can be up to 10,000 ft. (3,000 m)

Alarm buzzer in excess of 90 decibels

Individual microprocessor for each display and sensor module

Self diagnostic circuitry for added reliability

All modules mounted on a hinged frame for easy accessibility

General Specifications:

Both the Compact & Master Alarm systems shall be an Amico Alert-2 Series, complete with a five-year warranty.

Each module of the Compact 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.

Both the Compact Alarms & Master Alarms shall be of modular construction and shall be field expandable with the addition of extra modules. Up to six services (any combinations of Compact/Master modules) can be accommodated per standard box. Each display module shall have 2 displays and each Master Module shall handle 10 functions.

Each specific service for the Compact Alarm shall be provided with an LED digital read-out comprising of 0-250psi [0-1,724 kPa] for pressure and 0-30"Hg [-100-0 HgkPa] for vacuum. The digital read-out shall provide a constant indication of each service being measured. It will indicate a green "NORMAL" and a red "HIGH" or "LOW" alarm condition. 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 point on the Compact Alarms 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.

Each Master Alarm module shall be microprocessor based and be able to be field adjustable. A maintenance mode shall, when enabled, latch the alarms, requiring a reset after the alarm condition has been rectified. This is to assist in tracking down wiring problems or faulty field devices.

A repeat alarm function shall, when enabled on the Master Alarm, be capable of turning on the buzzer again (after a preset time) if the fault condition has not been rectified.

If an alarm occurs, a "RED" alarm LED light shall illuminate and the audible alarm shall sound. Pushing the "ALARM MUTE" button will silence the audible alarm but the unit will remain in alarm condition until the problem is rectified.

The Alarm system shall be a closed circuit self monitoring type. A green "POWER" light shall provide indication that the unit is energized. In addition, "TEST" & "ALARM MUTE" buttons shall be easily accessible to operate and test the unit.

Every Master Module shall be field upgradable to allow for interfacing to a building management system with the addition of an add-on circuit board which plugs into the master module.

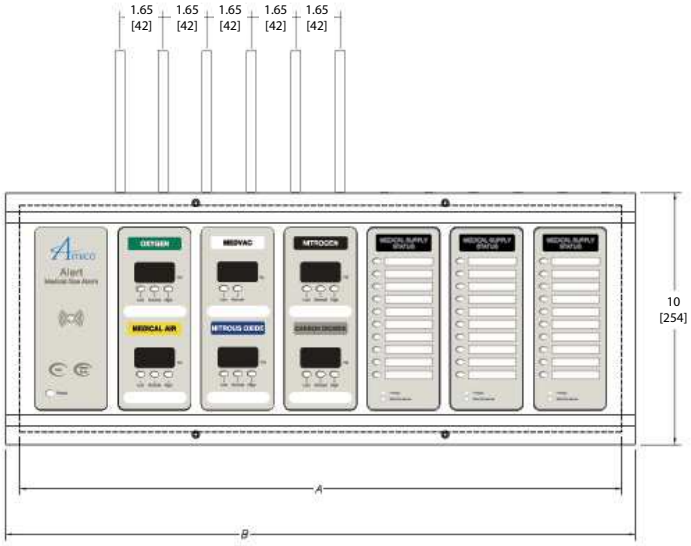
The box shall be fabricated from 18 gauge [1.3 mm] steel and the box mounting brackets shall be adjustable to accommodate for different thickness of the wall.

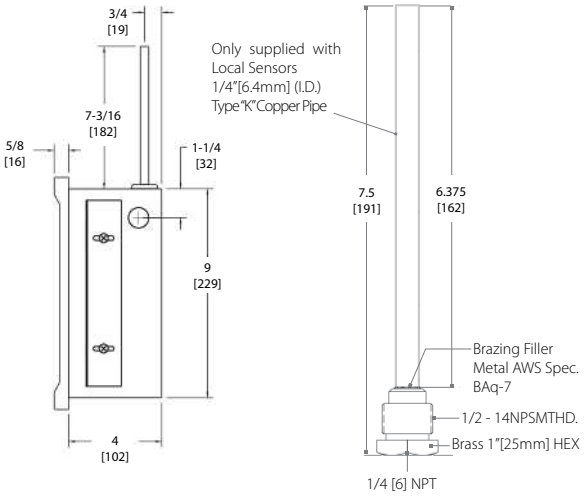
Input power to the Amico Alert-2 alarm is: 115 VAC to 220 VAC, 50 to 60 HZ. Amico products comply with NFPA-99.

c UL US LISTED

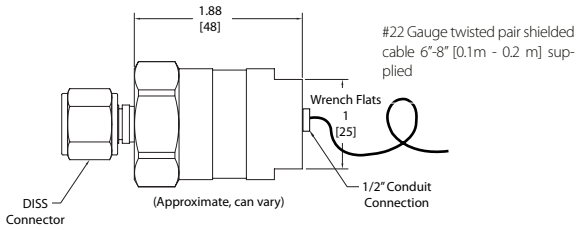
Technical Specifications

Inch
[mm]





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

A2ADL-U-XXXXXXMMM

Each "M" Stands for 10 Functions

L = local (in box) sensors
R = remote sensors
C = conversion

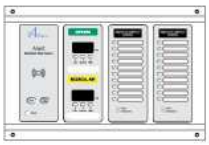
U = English (NFPA)
E = English (CSA)
F = French (CSA)
S = Spanish (NFPA)

<u>The Letter "X" Defines the Type of Gases::</u>

Oxygen	= O
Medical Air	= A
MedVac	= V
Nitrous Oxide	= 2
Nitrogen	= N
Carbon Dioxide	= C
WAGD (NFPA)	= W
AGSS (ISO)	= E
Instrument Air	= I

2 modules = **A2ADL-U-XXM**
3 gang back box

2 modules = **A2ADL-U-XXM**
4 gang back box

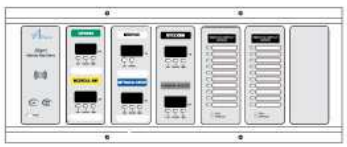


3 modules = **A2ADL-U-XXMM**
4 gang back box

2 modules = **A2ADL-U-XXXXM**
4 gang back box

4 modules = **A2ADL-U-XXXXMM**
5 gang back box

4 modules = **A2ADL-U-XXXXMM**
7 gang back box



5 modules = **A2ADL-U-XXXXXXMM**
7 gang back box

2 modules = **A2ADL-U-XXXXXXMMM**
7 gang back box

"X" indicates the order of gases, as shown above.
example: OAV (position 1 OXY, position 2 AIR, position 3 VAC)

NOTE: Please specify the gang back box on each alarm

Distributed By

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