

IMPACT[®] Alarm System Area Line Pressure Alarms

Elements

- LED's on each module indicate normal or abnormal gas line pressure status at a glance.
- Dual display modules available.
- Each area alarm can monitor up to 12 medical gas and/or vacuum services.
- Local or remote transducer installation (remote only for dual display modules).
- Alarm module calculates high and low alarm settings automatically.
- Primary power design accepts 115 or 230 VAC (50/60 Hz).
- Communicates with PC-based alarm monitor software. (Software and Interface Module sold separately)
- UL listed, CSA approved, NFPA 99 Compliant



Description

IMPACT[®] area alarm panels shall be designed to meet the requirements of NFPA and CSA standards. Alarms shall be UL listed and CSA approved as an assembly and shall include all necessary displays, factory wiring, transformers and circuitry requiring only 115 volt or 230 VAC primary power. Internal voltage shall be stepped down to 5 VDC and 15 VDC for control circuit power. Voltage to external pressure or vacuum transducers shall be 15 VDC.

Area alarm panels shall be modular in design. Each gas monitored shall have a Light Emitting Diode (LED) display to continuously indicate actual line pressure. A vertical series of LED's shall further indicate relative line pressure.

The control module shall include a Silence/Enter button, a Test/Shift button, an Up button, and a Down button. These buttons shall be used to silence the audible alarm, set up the alarm panel, and to test the alarm panel.

The test button shall test all modules one at a time. There shall also be an LED on the control module to indicate status of the micro-controller (green for normal, red for abnormal).

Line pressure modules shall be available in single and dual display configurations. Single display modules shall be specific to pressure or vacuum, dual display modules shall accept any combination of pressures or vacuum.

The back box shall contain factory installed copper tube

extensions, 6" long, 3/8" ID (1/2" OD), to accept installer furnished lines from the medical gas system. Each inlet tube shall accept gas-specific DISS fittings for transducers, to prevent cross-connection.

NOTE: *Dual display modules require that transducers be installed in the pipeline, not in the backbox.*

The power supply shall be installed in the backbox. Power supply shall include an On/Off rocker switch and a fuse holder.

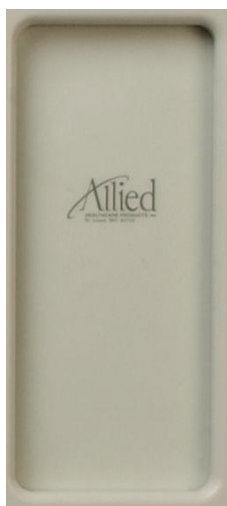
The audible alarm tone shall be continuous 90 dBA at 2 meters. The audible signal shall be cancelled only by the alarm silence button or fault correction. The LED shall remain illuminated to indicate the presence of the alarm condition. The alarm shall automatically reset with the correction of the fault condition. Should a new alarm occur while the panel is silenced, the audible alarm shall reactivate.

The area alarm shall store the last four alarm conditions in memory at the alarm panel. These conditions can be indicated by using the buttons on the alarm panel control module.

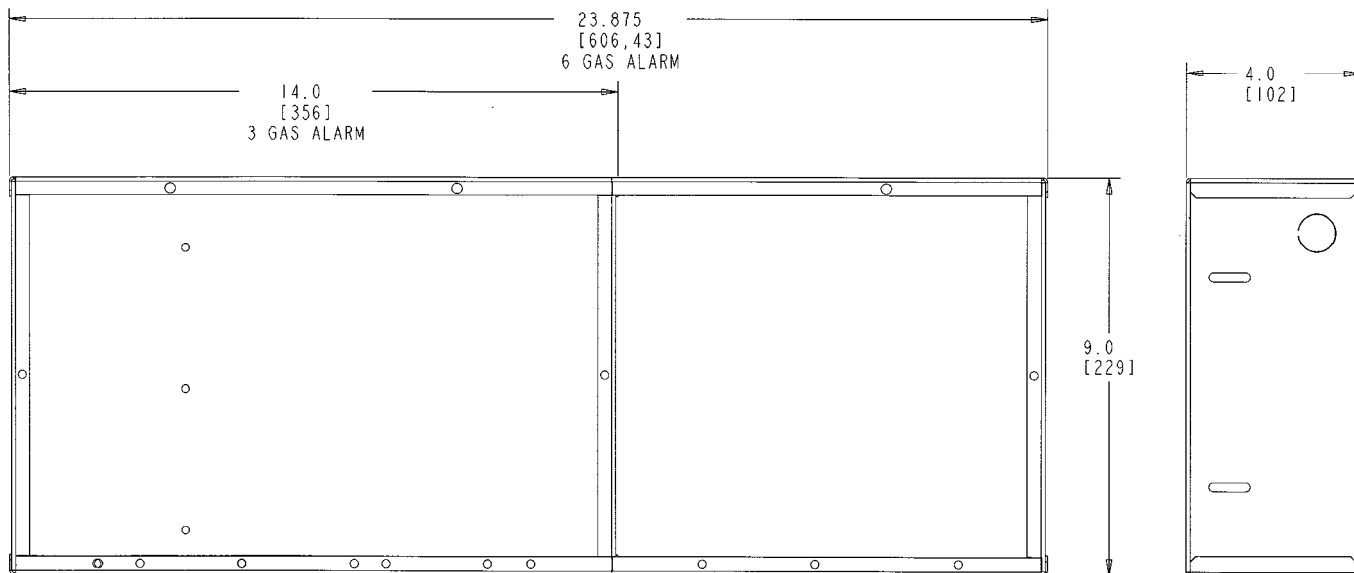
The panel shall be equipped with contacts for connection to the PC-based alarm monitoring software. Alarms that require installation of additional circuit boards to allow PC-based monitoring are not acceptable.

Area Alarm panels shall be Chemetron[®] IMPACT Series 74-15-XXX.

AVAILABLE DISPLAY MODULES



Dimensional Data - Inches (cm)



Face Plate Dimensions	
3 Module	16"W x 10.5"H x 0.75"D
6 Module	25.75"W x 10.5"H x 0.75"D



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Ordering Information

Area Alarm Panels with Gas-Specific Transducers

Catalog Number	Quantity	Description
74-15-OAV		1 Oxygen, 1 Air, 1 Vacuum (with transducers, factory labeled)

3-Module Area Alarm Panels without Gas-Specific Transducers (see page 4 for transducers)

Catalog Number	Quantity	Description
74-15-322		1 Pressure Module, 2 Future
74-15-422		1 Vacuum Module, 2 Future
74-15-342		1 Pressure Module, 1 Vacuum Module, 1 Future
74-15-334		2 Pressure Modules, 1 Vacuum Module
74-15-347		1 Pressure Module, 1 Vacuum Modules, 1 Dual Display Module (Total of four lines can be monitored with this alarm.)
74-15-772		2 Dual Display Modules (Each module can monitor 2 pressure and/or vacuum lines. Total of four lines can be monitored with this alarm.), 1 Future
74-15-777		3 Dual Display Modules (Each module can monitor 2 pressure and/or vacuum lines. Total of six lines can be monitored with this alarm.)

6-Module Area Alarm Panels without Gas-Specific Transducers (see page 4 for transducers)

Catalog Number	Quantity	Description
74-15-333422		3 Pressure Modules, 1 Vacuum Module, 2 Future
74-15-333442		3 Pressure Modules, 2 Vacuum Modules, 1 Future
74-15-333344		4 Pressure Modules, 2 Vacuum Modules
74-15-333334		5 Pressure Modules, 1 Vacuum Module
74-15-333447		3 Pressure Module, 2 Vacuum Modules, 1 Dual Display Module (Total of seven lines can be monitored with this alarm.)
74-15-777722 OR Alarms		4 Dual Display Modules (Each module can monitor 2 pressure and/or vacuum lines. Total of eight lines can be monitored with this alarm.), 2 Future
74-15-777772		5 Dual Display Modules (Each module can monitor 2 pressure and/or vacuum lines. Total of ten lines can be monitored with this alarm.), 1 Future
74-15-777777		6 Dual Display Modules (Each module can monitor 2 pressure and/or vacuum lines. Total of twelve lines can be monitored with this alarm.)



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Gas-Specific Transducer Ordering Information		
Catalog #	Quantity	Gas Service
74-14-9051		Oxygen
74-14-9052		Vacuum
74-14-9053		Nitrous Oxide
74-14-9054		Medical Air
74-14-9055		Carbon Dioxide
74-14-9056		Nitrogen
74-14-9057		WAGD



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All specifications are nominal and subject to change without notice.

Product Specification