IMPACT® Alarm System Retrofit Alarm Panels

Elements

- Retrofit panel will cover almost any existing alarm panel

- Complies with NFPA99.

- Can be used to monitor all source equipment and line pressures.

- Communicates with available PC-based alarm monitor software. (Software and Interface Module sold separately.)

- UL listed and ULC approved.

- Patent pending.

Description

IMPACT® retrofit alarm panels shall be designed to meet the requirements of NFPA and CSA standards. Alarms shall be UL listed and ULC 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 will be 15 VDC. All transducers for combination alarms shall be installed at the pipeline and wired back to the alarm panel using 2-wire shielded cable.

Retrofit alarm panels shall be modular in design and accept any combination of pressure, vacuum, dual display, remote monitor and/or switch input modules.

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. An LED on the control module shall illuminate green to indicate power on.

Line pressure modules shall be available in single and dual display configurations. Single display modules shall be specific to pressure or vacuum, while dual display modules shall accept any combination of pressure and/or vacuum inputs. Single display modules shall incorporate a vertical series of LEDs to indicate relative pressure. Dual display modules shall include 3 LEDs for each display, indicating low, normal and high pressure. Display modules shall automatically alarm at ±20% of standard pressure (Vacuum and WAGD modules are set up at install.).

8-transducer modules shall each monitor up to eight (8) 4-20ma transducer inputs. The 4-digit display shall cycle through the inputs, indicating the pressure, temperature, current, flow, etc. that is being monitored. LEDs for each input monitored shall illuminate green for normal status, red for abnormal/alarm status.

10-signal switch input modules shall each accept up to 10 switch inputs. Inputs shall be for normally closed circuitry, per NFPA99. LED's for each input shall illuminate green for normal status, red for abnormal/alarm status.
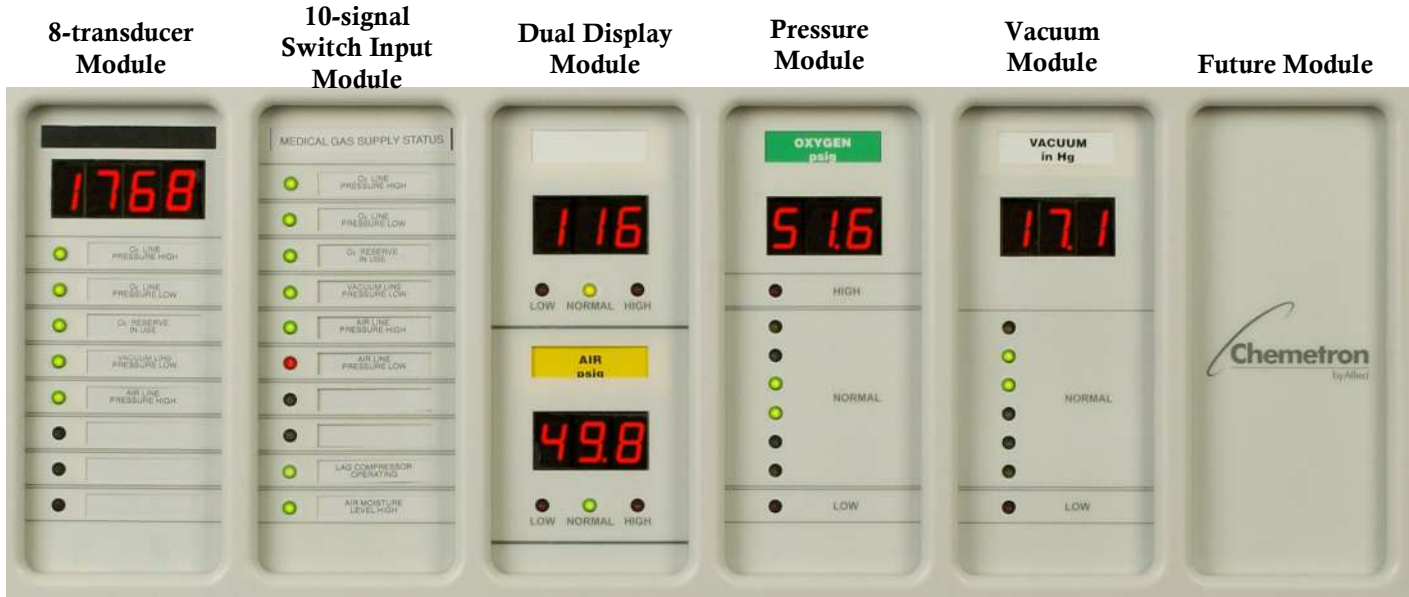
The power supply shall be installed in the existing backbox. Power supply shall accept either 115 or 230 VAC pimary service, and shall include an OnOff rocker switch and a fuse holder.

The audible alarm tone shall pulsate, 90 dBa at 2 meters. The audible portion of each alarm shall be silenced by means of the "Silence/Enter" button on the control module. Activation of additional alarms shall re-initiate the audible alarm. Regardless of the audible alarm, the LED shall indicate abnormal as long as a fault condition exists.
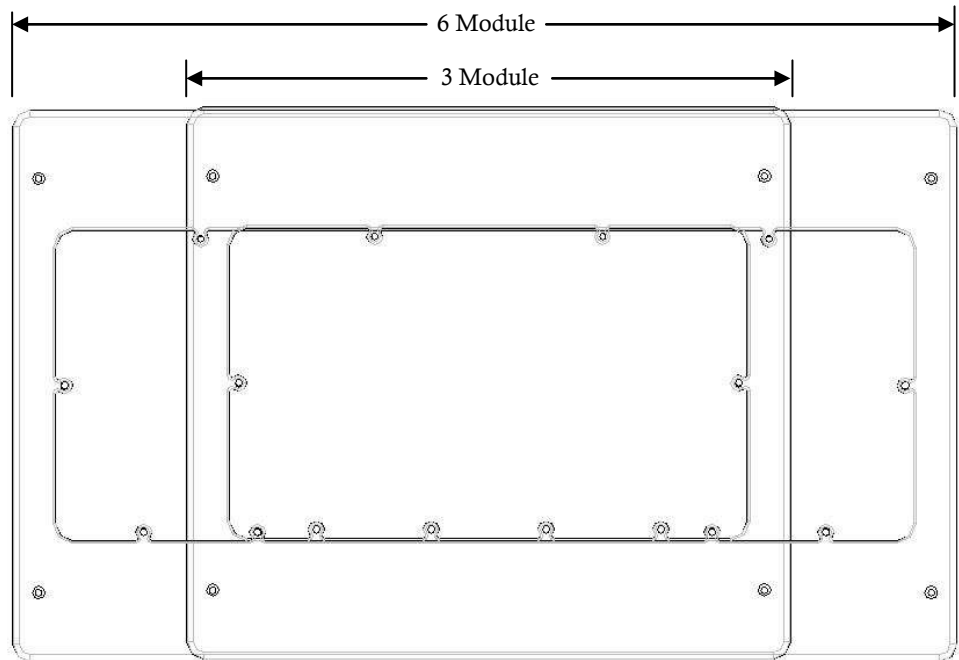
The panel shall be equipped with contacts for connection to the PC-based alarm monitoring software. Alarms that require installation of additional circuit boards to allow PC-based monitoring are not acceptable.

Retrofit alarm panels shall be Chemetron® IMPACT Series 74-16-XXX.

Available Display Modules

8-transducer Module	10-signal Switch Input Module	Dual Display Module	Pressure Module	Vacuum Module	Future Module

8-transducer Module
1768
- O₂ LINE PRESSURE HIGH
- O₂ LINE PRESSURE LOW
- O₂ RESERVE IN USE
- VACUUM LINE PRESSURE LOW
- AIR LINE PRESSURE HIGH

10-signal Switch Input Module
MEDICAL GAS SUPPLY STATUS
- O₂ LINE PRESSURE HIGH
- O₂ LINE PRESSURE LOW
- O₂ RESERVE IN USE
- VACUUM LINE PRESSURE LOW
- AIR LINE PRESSURE HIGH
- AIR LINE PRESSURE LOW
- LAG COMPRESSOR OPERATING
- AIR MOISTURE LEVEL HIGH

Dual Display Module
116
LOW   NORMAL   HIGH
AIR psig
49.8
LOW   NORMAL   HIGH

Pressure Module
OXYGEN psig
51.6
- HIGH
- NORMAL
- LOW

Vacuum Module
VACUUM in Hg
17.1
- NORMAL
- LOW

Future Module
Chemetron byAllied

Dimensional Data - Inches (cm)

6 Module

3 Module

Retrofit Face Plate Dimensions	
3 Module	17.5"W x 16"H x 1"D
6 Module	27.38"W x 16"H x 1"D

Ordering Information

Contact your Chemetron representative or our Customer Service Department for configurations not listed below.

3-Module Retrofit Alarm Panels (see page 4 for transducers, order separately)		
Catalog Number	**Quantity**	**Description**
74-16-765		1 Dual Display Module, 1 8-transducer Module, 1 10-signal Switch Input Module
74-16-752		1 Dual Display Module, 1 10-signal Switch Input Module, 1 Future
74-16-775		2 Dual Display Modules, 1 10-signal Switch Input Module
74-16-762		1 Dual Display Module, 1 8-transducerModule, 1 Future
74-16-775		2 Dual Display Modules, 1 10-signal Switch Input Module
74-16-345		1 Pressure Module, 1 Vacuum Module, 1 10-signal Switch Input Module
74-16-522		1 10-signal Switch Input Module, 2 Future
74-16-552		2 10-signal Switch Input Modules, 1 Future
74-16-555		3 10-signal Switch Input Modules
74-16-OAV		Oxygen-Air-Vacuum Alarm

6-Module Retrofit Alarm Panels (see page 4 for transducers, order separately)		
Catalog Number	**Quantity**	**Description**
74-16-334522		2 Pressure Modules, 1 Vacuum Module, 1 10-signal Switch Input Module, 2 Future
74-16-334562		2 Pressure Modules, 1 Vacuum Module, 1 10-signal Switch Input Module, 1 8-transducer Module, 1 Future
74-16-777552		3 Dual Display Modules, 2 10-signal Switch Input Modules, 1 Future
74-16-777755		4 Dual Display Modules, 2 10-signal Switch Input Modules
74-16-777566		3 Dual Display Modules, 1 10-Signal Switch Input Module, 2 8-transducer Modules

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

All specifications are nominal and subject to change without notice.

Warranty:
See Allied Statement of Warranties for details.

© 2006 Allied Healthcare Products, Inc.®   Printed in USA

Customer Service:
USA: (800) 444-3960
FAX: (314) 771-7537
Canada/Mexico: (800) 446-0552
FAX: (800) 246-6201
International: (314) 268-1683
FAX: (314) 771-5183

Allied
HEALTHCARE PRODUCTS INC.

1720 Sublette Avenue
St. Louis, MO 63110 USA
(314) 771-2400
www.alliedhpi.com
ISO 9001 CERTIFIED

Product Specification