



# AIMS UNIVERSAL BOARD

## SPECIFICATIONS:

The Amico Information Management System (AIMS) shall be Amico **Alert-2** series.

The AIMS Universal Board shall be a microprocessor based medical device. It shall display the topology and a clone image of the device when connected to a centrally located P.C. The AIMS Universal Board works inconjunction with the Aims System.

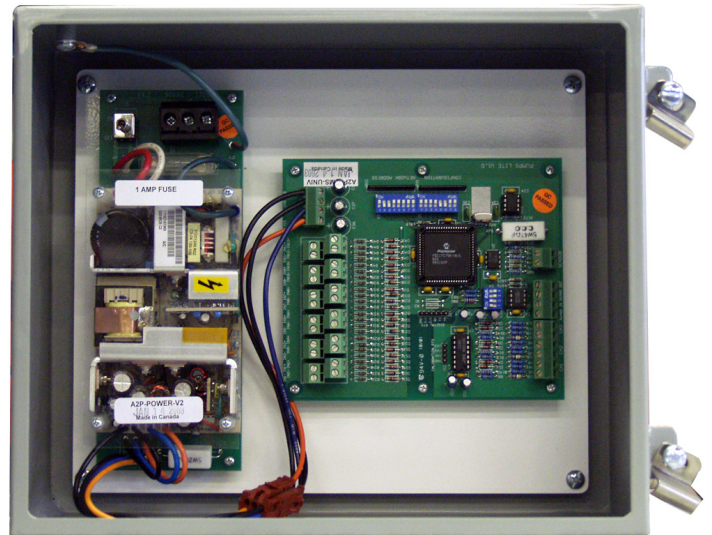
The AIMS Universal Board will support a **Vacuum Pump**, providing that the system has a dry contact which is dedicated to each starter relay motor. Each motor must also have a dedicated high temperature dry contact signal. An additional Amico Vacuum sensor would need to be installed in the supply line. See chart for connection details.

The AIMS Universal Board will support a **Air Compressor**, providing that the Air Compressor has a dry contact which is dedicated to each starter relay motor. Each motor must also have a dedicated high temperature dry contact signal. Dew point and CO high can either be a dry contact or a 4-20mA signal. An additional Amico High Medical Air sensor would need to be installed in the supply line. See chart for connection details.

The AIMS Universal Board will support a **Bulk Tank**, providing the following conditions are met: Main Bulk Tank Liquid Level has a (4-20 mA) signal, Reserve Liquid Level Tank has a (4-20 mA) signal, A Dry contact signal from the Main Tank when in use, A Dry contact signal from Reserve Tank when in use and an Optional (4-20 mA) for flow from a Flow Meter.

The AIMS system consists of one Network Interface Card in each device, one computer with Windows with a Gateway module and the AIMS software. The PC shall be accessible to the internet either directly or via the hospitals LAN network. The above items are not supplied with the AIMS Universal Board.

The system shall accommodate up to 256 medical devices and connect each device in series with a two wire, twisted pair cable (up to 5,000 ft.).



## FEATURES:

- Microprocessor based polling network.
- Standard configuration will support up to 256 medical devices.
- Displays clone image of any device supported.
- Two wire twisted pair serial connection (up to 5,000 ft.)
- Log file produced for incident reporting.
- User selectable scan speeds.

## PROJECT:

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## C O N N E C T I O N

Connection required from other manufacture devices to AIMS universal board, a universal board is required for each gas service monitored.

Input #	Vacuum Pump	Air Compressor	Bulk Tank
IN1	Vacuum Pump #1	Air Compressor #1	Main Tank In Use
IN2	Vacuum Pump #2	Air Compressor #2	Reserve Tank In Use
IN3	Vacuum Pump #3	Air Compressor #3	
IN4	Vacuum Pump #4	Air Compressor #4	
IN5	Reserve In Use	Reserve In Use	
IN6	Temp. Malfunction #1	Temp. Malfunction #1	
IN7	Temp. Malfunction #2	Temp. Malfunction #2	
IN8	Temp. Malfunction #3	Temp. Malfunction #3	
IN9	Temp. Malfunction #4	Temp. Malfunction #4	
IN10	Change Filter	Change Filter	
IN11		Dew Point High	
IN12		CO High	
CH1		Dew Point Monitor (4-20 mA)	Main Tank Level (4-20 mA)
CH2		CO2 Monitor (4-20 mA)	Reserve Tank Level (4-20 mA)
CH3			Flow 94-20 mA)
CH4			
Sensor	Vacuum Pump	HP Air Sensor	Not Used

Please note that IN1-IN12 are dry contact signals in and CH1-CH4 are 4-20mA signals.

### Parts for the Aims System:

- A2P-AIMS-UNIV     AIMS Universal Board.
- A2P-AIMS-NETW     AIMS Software and Computer Card.
- A2P-AIMS-PC17     Optional Personal computer with a 17" monitor.

D I S T R I B U T E D   B Y :