

# BayNet®

## ADVANCED COMPRESSOR OPERATION SCHEDULING

### Features

- Rugged Design
- Rack Mount or Wall Mount
- Stand Alone or LAN Access
- Advanced Calendaring Tool
- Unlimited Scheduled Events
- Unlimited Scheduled Actions
- Web Browser Interface
- LED Status Indicator Lights
- Secure Logon
- System Administration Tool

### Benefits

Flexible deployment options to meet your varying access requirements.

Intuitive interface means you will be up and running in no time.

Develop your operating schedule once and realize the ongoing benefits of automated operation.

Automatically lower the plant pressure during non production and off hours - driving down your compressed air costs.

Cycle compressors automatically - reducing total system running hours.

Manage your compressed air system's schedule without leaving your office.

Failsafe operation.

Automate your air compressor operation schedules with BayNet. Designed for all air compressors equipped with Bay Compressor Controllers, Maestro Legend®, Vantage and ProTech® V control systems\*. BayNet makes simple work of the most demanding compressed air operations and ensures that you maximize energy savings opportunities.

### Easy to Use

BayNet can be installed as a stand alone system or as a networked device into your existing LAN. The intuitive browser based user interface will have you up and running in no time. With the BayNet security features, information and control functions will be protected at all times.

### Save Money

Lowering your air pressure set point will save you money. Creating a schedule that will lower the plant's pressure set point without distraction will provide a quick and reliable payback.

### Affordable Cost Savings

BayNet is a convenient and affordable cost savings tool for plant compressed air systems. The savings chart below outlines the potential cost savings of utilizing a BayNet automated pressure reduction strategy during nonproduction and off hours.

Assumptions: Plant Pressure Set Point = 100psi  
1000 HP Centrifugal Compressor  
Total of 2000 hp of online air compressors  
Operational plant air pressure is 100 psi  
Energy cost is \$0.05/kWh

		Hrs/Wk—Reduced Pressure		
		8 hrs	16 hrs	48 hrs
Reduction	10 psi	\$3,264	\$6,491	\$19,472
	20 psi	\$6,719	\$13,438	\$40,314
	30 psi	\$10,463	\$20,927	\$62,780
		Annual Savings		

\* See specifications and requirements for compatibility.



### Functional Highlights

**Upcoming Events:** With BayNet, you can quickly view the upcoming scheduled events, the launch time for the event and the time remaining (in hours) before the event.

**Create Events:** At its core, BayNet is focused on defining operational events. An event is specific to an expected outcome. Events can be one time, or repeating - with repeating events having a flexible implementation - every other day, Monday through Friday, or any combination in between

**Add Actions:** Once an event is established it is time to define what actions contribute to the event. Definable actions include: leader set point, unit set point, unit priority, unit mode, suspend, starting and stopping units, loading and unloading units.

**Pressure Ramp:** Unlike many systems, BayNet is designed to make the automated changes to the system gently. With the ramping tool, BayNet can decrease or increase system air pressure without causing a disruptive response to a new set point.



## Who We Are

Bay is an energy solutions company that provides products and services to a broad range of industrial, commercial, government, and now, home customers. We provide cost savings for our clients through increased energy efficiency, improved system management, better reliability, and reduced downtime. Bay was founded in 1983. As of December 1, 2008, our solutions - with over 5,000 installed units worldwide - are providing over 1.8 terawatt-hours (1,800 million kilowatt-hours) of annual energy savings for our customers in 70 countries. Our headquarters and network operations center is located in Maumee, Ohio.

## Other Products

**Bay Compressor Controller**  
Industry leading controls for all rotary screw, reciprocating, and centrifugal air compressors.

**BayWatch®**  
Web based hosted monitoring and alerting system for single and multi-plant applications.

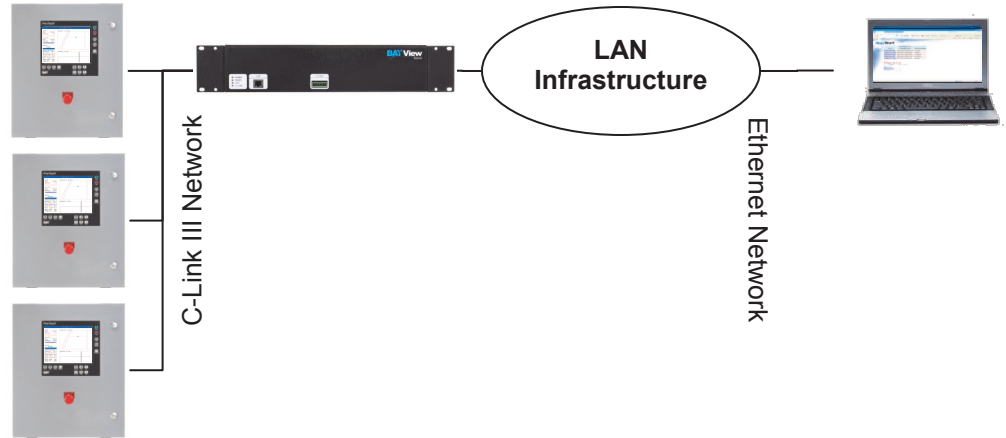
**BayView® Server**  
Full featured, HMI/SCADA system for air compressors controlled by the Bay Compressor Controller.

**BayView® 2020**  
Customizable HMI/SCADA system for integrating varying plant systems.

**WaveSync™**  
Innovative ride through control system for rotary screw and centrifugal compressors.

**PLC Custom Controls**  
Advanced customized control systems for cooling towers, dryers, and other industrial applications.

# Typical Installation



**BayNet works with your Bay Compressor Controller, ProTech V , Maestro Legend, and Vantage compressor controls for advanced scheduling and automated compressor operation.**

## Specifications & Requirements

Enclosure	NEMA 12 Rack mount 2U or wall mount with included adapters
Dimensions LxWxH (in.)	15 x 15 x 3.4
Dimensions LxWxH (cm.)	38.1 X 38.1 X 8.6
Weight (lbs./kg.)	8 / 3.6
User	Secure logon
Ethernet LAN Connection	(1) RJ45 10/100
C-Link III Connection	(1) 5 Terminal Phoenix Connector
System Status	(4) LED Indicator Lights
Power Requirements	100—240 VAC, 50/60 Hz
Controller Software Version	5.01.001 or higher
Physical C-Link III Connection	Belden 3108A
Specifications and requirements subject to change without notice.	



Maestro Legend is a trademark of Cameron Compression.



Controls  
Energy Services  
Engineered Systems  
Web Devices

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