



## features and benefits

AirSentry is a well organized, robust, ladder logic application that enables the entire set-up and commissioning process from the front panel without the use of a computer or software.

This functionality later becomes an invaluable tool for maintenance and service personnel who can diagnose, reconfigure, add and remove I/O points and features as needed without extensive training and resources.

Operations personnel will benefit from the thorough presentation of data and tools designed to understand and operate your centrifugal compressor with little effort.

### **Compatible Machines**

- Fits any brand or size centrifugal compressor

### **Allen-Bradley PLC**

- Open protocol platform
- Very robust and flexible
- Modular I/O
- Easily maintained
- Easily upgraded
- Components available from multiple sources
- Multiple service resources

### **PanelView 600 Operator Interface**

- 6" Color LCD for easy reading
- More than 40 screens for setup and monitoring
- Multi-level password protection
- Separate memory card for back-up included

### **Feature Rich Front Panel For Setup**

- Select and configure I/O in the field
- Scale all I/O in the field
- Select I/O for alarm/trip/start permissive
- Enter alarm/trip start permissive values
- Start-up override timers
- Coast down timer
- Manually control both valves
- PID Tuning
- Select starter circuit type
- Select discrete I/O polarity
- Surge detection data capture
- Surge correction routines
- Enable auto start/load functions
- Enable remote start/load functions

### **Feature Rich Operation**

- DTL Dynamic Throttle Limit
- Air Density Compensation
- Auto Indexing available (selectable)
- Onboard data capture

### **Communications**

- DH+ or optional Ethernet communications
- Connects to most 3<sup>rd</sup> party DCS, MMI or IS systems
- Remote modem diagnostics

### **Optional Extended Solutions**

- AirMaster Multiple Machine Load Management
- AirView PC Based Real Time Data Manager
- AirView Redundant Supervisory PanelView
- I-R MP3™ retrofit interface kit (for 8 hour turn-around)

### **Operator Screens:**

- Status of all monitored I/O
- Inhibiting start permissives
- Coast down timer (remaining time to start)
- 99 event alarm/trip history
- Event and acknowledge date/time stamp
- Runtime stats



### **Operation**

- Better Turndown
- Superior surge protection
- Reduce energy costs

For explanation, see principles of operation