



## specification



### **Allen Bradley PLC Components**

- SLC-5/04 processor
- seven slot I/O rack
- rack I/O power supply (120vac)
- eighteen analog inputs (4-20 ma)
- two analog outputs (4-20 ma)
- sixteen discrete inputs (120vac)
- sixteen discrete outputs (120vac)

### **Communications**

- Data Highway Plus
- Optional Ethernet

### **Front Panel Devices**

- PanelView 600 color LCD operator interface with sealed membrane keypad
- emergency stop push button (maintained position)
- control power selector switch with indicator lamp

### **Enclosure Specifications**

- NEMA 12, 42" high, 30" wide, 12" deep
- color: pebble gray
- Finish: Rough texture semi-gloss
- weight: 166 lbs.

### **Electrical Requirements**

- one 120vac 15 amp circuit

### **Other System Components**

- 120vac 15 amp circuit breaker
- AC fusing and terminals
- DC fusing and terminals
- two 120vac 10amp isolation relays for main motor and pre-lube starters.
- 120VAC/24VDC Power Supply
- 120VAC receptacle for Laptop
- Modem

### **Spare Capacity**

- six customizable discrete 120vac outputs
- four spare discrete inputs 120vac (not programmed for use)
- 6 Customizable analog input variables if common option is purchased.

The AirSentry version 4.0 "Base System" includes **logic** to address the following, common system variables:

### **Control Valves**

- Inlet valve
- Bypass valve

### **Field Instruments**

- System air pressure \*1
- Last stage discharge air pressure or machine pressure
- Last stage discharge air temperature
- Oil temperature
- Oil pressure
- Motor current \*2
- Vibration (up to four stages) \*3
- Stage 1 inlet air temperature
- Stage 2 inlet air temperature
- Stage 3 inlet air temperature
- Stage 4 inlet air temperature
- Stage 1 inlet air pressure
- Stage 2 inlet air pressure
- Stage 3 inlet air pressure
- Stage 4 inlet air pressure

### **Common Option 1 \*4**

- Stage 5 Vibration \*3
- Bull Gear Vibration \*3
- Stage 5 inlet air temperature
- Stage 5 inlet air pressure
- Winding Temp A
- Winding Temp B
- Winding Temp C
- Inboard Bearing Temp
- Outboard Bearing Temp
- Water Temperature In
- (6) Customizable analog input variables

1. For best control the system air pressure instrument should be installed between eight and twenty feet from the machine discharge and between the check valve and the block valve.
2. A motor current CT is required in the motor lead box on one leg of the motor leads.
3. Transmitters are required to convert the vibration probe outputs to 4-20ma analog current loop inputs.
4. The Common Option 1 listed above is not to preclude customization of that slot, but reflects the programming already existing in the base program.