

Blower or Compressor Sequencing

Description

The sMAC-SEQ™ master control panel provides a quick and easily deployable solution for installations in need of automated blower or compressor sequencing. By interfacing with a process variable input the sMAC-SEQ™ can provide automated starting and stopping of the equipment while also providing run-time balancing, quick process recovery from equipment failure, and integration of different equipment types. The system is fully configurable to fit your application and has additional features such as remote monitoring and control capability, ethernet or hardwired connectivity, and a 10" touch screen interface.

Control Methods

Blower or Compressor Sequencing based on Process Variable

Control Modes

Flow, Pressure, Manual

Available Protections & Functionality

- Equipment Sequencing
- Run Time Balancing
- Communication Monitoring
- Equipment Monitoring
- Header Temperature Monitoring
- Header Pressure Monitoring
- Header Blow-Off Valve Control
- Process Variable Control

Documentation, Testing & Startup Services

- Operation Manuals
- System Integration Support Documents
- Factory Acceptance Testing (witnessed available)
- Installation Support
- Commissioning & Training

Standard Panel Specifications*

Approvals UL / ULC 508A
 Warranty..... Lifetime Warranty with Standard Hardware
 Enclosure Type 30H x 30W x 10D
 Enclosure Rating TYPE 4
 HMI 10" Phoenix Contact WP 6101-WXPS

PLC

Model Phoenix Contact PLCnext AXC F 3152
 Programming Software... PLCnext Engineer (Free Software)
 CPU Intel Atom™ x5-E3930, 2x 1.3GHz
 Internal Memory 1GB
 Expansion Memory SD Card - 2GB
 Communications ProfiNet, EtherNet/IP, Modbus TCP, MQTT,
 OPC UA (more options available)
 Ethernet Connections..... x3 RJ45
 Operating Temperature ... -25°C to 60°C

I/O

Discrete Inputs..... x16
 Discrete Outputs x16
 Analog Inputs..... x8
 Analog Outputs x8

*Customization may affect the standard listed specifications

Other Product Features

- High-Resolution Analogs
- LED Fuse Blocks
- 120V Convenience Outlet
- Ethernet Switch
- Electrical Surge Protection
- Isolated Instrument Ground

Available Options

- Alternate PLC Brand (Allen Bradley, Siemens, Schneider, Other)
- Alternate HMI Brand (Allen Bradley, Siemens, Schneider, Other)
- Type 4X or Type 12 Enclosure
- Hinged HMI Cover
- Interior Light
- Alarm Beacon or Siren
- Pilot Devices - Push Buttons, Switches, or Indicator Lights
- Ethernet Switch - Managed or Unmanaged
- Cooling - Fans, Vortex Cooler, or Panel Mount A/C
- Panel Heater
- Purge Systems
- Other Approval Ratings



