

MODEL SMAC-SEQ

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 Options

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*

* Customization may affect the standard listed specifications

Approvals	UL/ULC 508A
Warranty	Lifetime Warranty with Standard Hardware
Enclosure Size	30H x 24W 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

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

* Information is approximate and can change without notice

* Air Performance Based on 1 Atm, 68°F/20C, 36% RH and 3550 rpm

