



MODEL SLOC-GC

Description

The sLOC-GC™ local control panels are versatile for any geared compressor application and the design provides simplicity without sacrificing configurability. Control of the compressor can be manual or automated and the system easily integrates with a master control panel or plant SCADA.

Lone Star Blower and Compressor has developed state of the art surge prediction and detection algorithms which are included with every sLOC-GC™ local control panel. Combined with active surge avoidance techniques, these added protections surpass what is offered by other market participants and ensure maximum compressor reliability and system up-time.



Control Options

Control Methods	Inlet Valve or Inlet Guide Vane, Speed, Blow-Off Valve
Control Modes	Base Load Modulation & Trim Modes

Auxiliary Controls and Protections

Active Surge Avoidance
Surge Prediction & Detection
Full Compressor Monitoring
Automatic & Manual Auxiliary System Controls

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

Standard Panel Specifications*		Other Product Features
Approvals	UL/ULC 508A	E-Stop & Pilot Devices
Warranty	Lifetime Warranty with Standard Hardware	High-Resolution Analogs
Enclosure Size	60H x 36W x 10D	LED Fuse Blocks
Enclosure Rating	TYPE 4	120V Convenience Outlet
HMI	10" Phoenix Contact WP 6101-WXPS	Electrical Surge Protection
PLC		Isolated Instrument Grounds
Model	Phoenix Contact PLCnet AXC F 3152	Available Options
Programming Software	PLCnext Engineer (Free Software)	Alternate PLC Brand (Allen Bradley, Siemens, Schneider, Other)
CPU	IntelAtom™ x5-E3930, 2x 1.3GHz	Alternate HMI Brand (Allen Bradley, Siemens, Schneider, Other)
Internal Memory	1GB	Type 4X or Type 12 Enclosure
Expansion Memory	SD Card - 2GB	Hinged HMI Cover
Communications	Profinet, EtherNet/IP, Modbus TCP, MQTT, OPC UA (more options available)	Interior Light
Ethernet Connections	x3 RJ45	Alarm Beacon or Siren
Operating Temperature	-25°C to 60°C	Pilot Devices - Push Buttons, Switches, or Indicator Lights
I/O		Ethernet Switch - Managed or Unmanaged
Discrete Inputs	x32	Cooling - Fans, Vortex Cooler, or Panel Mount A/C
Discrete Outputs	x16	Panel Heater
Analog Inputs	x16	Purge Systems
Analog Outputs	x4	Other Approval Ratings
RTD Inputs	x16	

* Information is approximate and can change without notice

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