



## 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\*

Approvals	UL/ULC 508A
Warranty	Lifetime Warranty with Standard Hardware
Enclosure Size	60H x 36W x 10D
Enclosure Rating	TYPE 4
HMI	10" Phoenix Contact WP 6101-WXPS
<b>PLC</b>	
Model	Phoenix Contact PLCnet AXC F 3152
Programming Software	PLCnext Engineer (Free Software)
CPU	IntelAtom™ 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
<b>I/O</b>	
Discrete Inputs	x32
Discrete Outputs	x16
Analog Inputs	x16
Analog Outputs	x4
RTD Inputs	x16

\*Customization may affect the standard listed specifications

<b>Other Product Features</b>	
E-Stop & Pilot Devices	
High-Resolution Analogs	
LED Fuse Blocks	
120V Convenience Outlet	
Electrical Surge Protection	
Isolated Instrument Grounds	
<b>Available Options</b>	
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/20°C, 36% RH and 3550 rpm