



## MODEL SLOC-GB

### Description

The sLOC-GB™ local control panels are versatile for any geared blower application and the design provides simplicity without sacrificing configurability. Control of the blower 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-GB™ local control panel. Combined with active surge avoidance techniques, these added protections surpass what is offered by other market participants and ensure maximum reliability and system up-time.



### Control Options

Control Methods	Inlet Guide Vane, Discharge Guide Vane, Speed, Blow-off Valve
Control Modes	Capacity %, Discharge Pressure, Unloaded, Other Processes Available

### Available Protections & Functionality

Active Surge Avoidance
Surge Prediction & Detection
Full Blower 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

Approvals	UL/ULC 508A	Other Product Features	E-Stop & Pilot Devices
Warranty	Lifetime Warranty with Standard Hardware	High-Resolution Analogs	LED Fuse Blocks
Enclosure Size	60H x 36W x 10D	120V Convenience Outlet	Lockable Disconnect (480V)
Enclosure Rating	TYPE 4	Electrical Surge Protection	Isolated Instrument Grounds
HMI	10" Phoenix Contact WP 6101-WXPS	Available Options	
<b>PLC</b>	Phoenix Contact PLCnet AXC F 3152	Alternate PLC Brand (Allen Bradley, Siemens, Schneider, Other)	
Model	Phoenix Contact PLCnet AXC F 3152	Alternate HMI Brand (Allen Bradley, Siemens, Schneider, Other)	
Programming Software	PLCnext Engineer (Free Software)	Type 4X or Type 12 Enclosure	
CPU	IntelAtom™ x5-E3930, 2x 1.3GHz	Hinged HMI Cover	
Internal Memory	1GB	Interior Light	
Expansion Memory	SD Card - 2GB	Alarm Beacon or Siren	
Communications	Profinet, EtherNet/IP, Modbus TCP, MQTT, OPC UA (more options available)	Pilot Devices - Push Buttons, Switches, or Indicator Lights	
Ethernet Connections	x3 RJ45	Ethernet Switch - Managed or Unmanaged	
Operating Temperature	-25°C to 60°C	Cooling - Fans, Vortex Cooler, or Panel Mount A/C	
<b>I/O</b>		Panel Heater	
Discrete Inputs	x32	Purge Systems	
Discrete Outputs	x16	Other Approval Ratings	
Analog Inputs	x16		
Analog Outputs	x4		
RTD Inputs	x16		

\* Information is approximate and can change without notice

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