The GlobalAIR compressed air system controller is the most flexible and powerful compressor control system available. By integrating the control of all air compressors and peripheral equipment to operate as a single unit, the optimal number of running compressors can be maintained at all times. The “global” control system is built on the Allen-Bradley RSLogix 5000 platform which provides unlimited control and monitoring capabilities of all connected machines from anywhere in the plant. The GlobalAIR system is compatible with all types, makes and models of air compressors.

Solutions, Inc. will partner with you to develop a state-of-the-art solution specifically for your compressed air system in order to help reduce operating costs and improve efficiency.

Touch-Screen HMI Allows Easy System Navigation By Pressing The Object or Button for Instant Access

Phone: 877-838-3756
www.solutions1inc.com
The compressed air system controller is a PLC that provides intelligence based total system-wide control, resulting in lower operating costs, higher production quality and increased manufacturing throughput.

**SYSTEM FUNCTIONS**

**Multiple Compressor Control**
- Designates Base Load and Trim machines.
- Sequences compressors based on user selectable settings of LIFO, Manual and/or Automatic Rotation.
- Controls an unlimited number of compressors per control system.

**Compressor Operation Management**
- Compatible with all types of compressors and compressor control types - inlet modulation, load/no load, variable displacement and variable speed drive.
- Includes routines designed to minimize or eliminate centrifugal compressor blow-off.
- Local/Remote and Auto/Manual selection available through the GlobalAIR panel.
- Automatically defaults to local control on control system failure.
- Shuts down any compressor that has been unloaded for preset amount of time.
- Advanced control algorithms prevent excessive compressor starts and stops.
- Alarm annunciation for compressor and any system failures.
- Manages compressors based on dynamic pressure change in the plant air system and continuous real-time calculations.

**SYSTEM SPECIFICATIONS**

**POWER:** 115 VAC 50 OR 60 HZ  
**ELECTRICAL:** NEMA 4/12  
**DIMENSIONS:** 20" X 20" WALL MOUNT  
**TRANSMITTERS:** 4-20 MA  
**COMPRESSOR INTERFACE:** LOCAL OR REMOTE I/O  
**HUMAN MACHINE INTERFACE:** WINDOWS CE COLOR

**FEATURES:**
- Allen Bradley RSLogix 5000 software platform maximizes dependability and flexibility.
- NEMA 4/12 enclosure provides protection from wet and dirty environments.
- ControlNet, DeviceNet and EtherNet interface options are available.
- Password protection prevents unauthorized changes in program.
- User friendly color touch screen interface panel allows for easy set-up & displays system status.
- Standard monitoring, trending and alarming capabilities.
- Analog Modem and Internet Communications available.
- Computer work station with Windows® based SCADA package is available as an option.
- Web-Based monitoring and control options available.
- Individual circuit protection for PLC, HMI, Ethernet Switch and Utility Outlet.
Solutions are available with ALLEN-BRADLEY COMPACTLOGIX & CONTROL LOGIX PROCESSORS with an assortment of color touch screen HMI options.

PLC Inputs & Outputs Located Directly at Each Compressor Simplifying Startup & Troubleshooting. A Single Ethernet or Coaxial Cable is “DAISY-CHAINED” From One Compressor To The Next to Connect all Compressors

Each Remote Control Panel Contains the Following:

- 24 VDC POWER SUPPLY
- CONTROLNET AND/OR ETHERNET COMMUNICATIONS
- LOCAL/REMOTE SELECTOR SWITCH
- REMOTE PLC INPUTS AND OUTPUTS
- ISOLATION RELAYS
- CONTROL CIRCUIT FUSE
- UNLIMITED EXPANDABILITY

REMOTE I/O CAN REDUCE INSTALLATION COSTS BY AS MUCH AS 50%!
Solutions, Inc.’s Automation Packages are not limited to compressors only. Controlling flow control valves, air dryers, water pumps, after-coolers and cooling towers are common additions to our system scopes.

**Additional Products and Services**

- Instrumented Compressed Air Audits
- Customized software development including Wonderware®, DeltaV® and RSView Supervisory Edition®
- Compressed Air Flow Controllers
- Zero-Air-Loss Condensate Drain
- Vacuum Assisted Air Dryers
- Dewpoint Monitors

**Distributed By:**

SPECIALISTS IN COMPRESSED AIR:
- AUTOMATION
- INTEGRATION
- MONITORING

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