

# AIR STAR DC™

## Proven, PLC Controller for Compressed Air Dryers

### Why you should choose AirStarDC

AirStarDC is a proven, robust control solution for air compressor dryers built on Allen-Bradley PLCs.

This system is completely supportable with your own resources. Case uses familiar PLC technology and there are no Case Controls proprietary components.

The control scheme completely automates the dryer cycle. Well conceived, straight forward screens provide the operator with detailed machine performance information. The screens provide the tools needed to troubleshoot, along with adding additional I/O components to the system.

The system has been developed for multiple dryer types and provides a common interface for operators. All system data is available for remote access for existing connected enterprise.



### AirStarDC™ Features & Benefits

- **Energy Management System** provides efficient dryer control via Dew Point monitor.
- **Elaborate HMI Functionality** allows complete configuration, tuning, troubleshooting, and operation of the compressor.
- **Familiar Allen-Bradley PLC and HMI Platforms** can be easily supported. No proprietary parts are used.
- **24/7/365 Support**, by phone or remote connection is prompt and effective.
- **Documentation** thoroughly addresses set-up, tuning, troubleshooting and operations.
- **Program Back-up Copies** are provided on flash cards and shipped installed in the PLC and HMI for insurance against hardware failure.
- **Ethernet/IP and MODBUS Communications** are native and other protocols are optional for connection to any third-party system.
- **AirStarDC is Compatible** with 3PX-Backbone™, permitting electronic integration with numerous third-party controllers.

To learn more about AirStarDC, please call Case Controls at (812) 422-2422.

# CASE iZ

GUARANTEED COMPRESSED AIR SOLUTIONS

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# AIR STAR DC™

## Allen-Bradley PLC-based Local Controller

### HARDWARE SPECIFICATIONS

#### Enclosure

- Rating .....Type 4/12
- Dimensions .....24" h x 24" w x 12" d
- Color .....Light Gray
- Weight .....80 lbs

#### PLC Components

- Processor .....A-B MicroLogix 1400
- Analog Inputs .....8  
(4-20mA, 1-5V)
- Digital Inputs .....20  
(24VDC)
- Digital Outputs .....12  
(12-250 VAC/VDC)

#### Front Panel Devices

- HMI .....PanelView Plus Color
- Emergency Stop .....Push Button
- Control Power .....Selector Switch

#### Communications

- Ethernet IP .....Used for Connection to HMI
- Ethernet Switch .....Connection to Others
- Cellular Modem .....Used for Remote Support

#### Power Requirements

- 120VAC, 10 Amps

### Control of Multiple Dryer Types:

- Purged Only
- Heated Blower Purged
- Blower Purged
- Heat of Compression

### Air Dryer Features:

- Dew Point Control/Timer Control
- Tightly Ingrate with the Compressors
- Scalability for Additional I/O
- Ease of Network Integration  
(MODBUS or Ethernet)

### OPTIONS

#### Enclosure/System

- Type 4X SS Enclosure Rating
- Purgeable Instrument Access Door for HMI
- Sunshield
- Panel Heater
- Panel Cooler
- Larger PanelView

#### Communications

- MODBUS TCP
- MODBUS RTU
- BACnet
- HART
- PROFIBUS

#### 480V Power Package

- Blower Starter
- Heater Contactor
- Control Circuit Transformer
- Lockable Disconnect



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