

GD Connect 4 Air Management System



Think Smarter.
Think Gardner Denver.

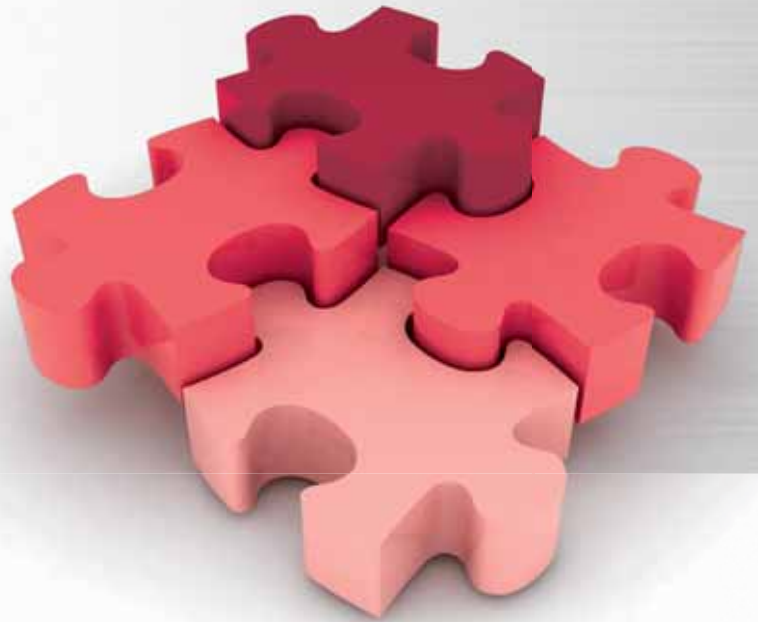
GD
GARDNER DENVER

Experience Proven Results™



GD Connect 4 Air Management System

**The smart
and simple fit
for up to 4
compressors!**



- State-of-the-art Technology
- Maximum Energy Efficiency
- Easy User Guidance

Efficient Sequencer up to 4 Compressors

Today no modern energy efficient compressed air system is complete without the installation of an intelligent master control system.

The new GD Connect 4 is the ideal control solution for smaller compressed air stations, and will intelligently control up to 4 fixed speed compressors.

Potential Energy Savings up to 30%

The GD Connect 4 is designed to harmonise the complete compressed air station, ensuring that the system is correctly managed by optimising equipment utilisation and controlling the system pressure within the tightest band. Typically offering energy savings of up to 30 %.



Easy Installation

Installation of any GD Pilot/GD Pilot MK controlled compressor is made easy with direct connection using data cable, eliminating the need for any additional communication interfaces.

For other compressors installation is quick and simple installation is made possible with the use of an interface PCB.



User Friendly LED Display

A clear and easy to use LED display gives an individual compressor status of each compressor within the system.

Three selectable control functions

- FIFO – First in first out
- Equal running hours
- Timer rotation

Additional features

- System pre-fill allowing you to pre-fill your system ready for production
- Priority settings giving you complete flexibility
- Pressure schedule increases system efficiency by allowing different pressures settings to suit process applications
- Real time clock allows the accurate operation of the additional features



System components



Your Benefits at a Glance

Clear display with individual compressor status

- Four modes of control
- Pre programmed for easy connection to GD Pilot/GD Pilot MK controlled compressors
- Simple installation for other compressors with only one i-PCB
- High efficiency system control with savings up to 30 %



Technical Summary

Electrical Connection	
Voltage	230Vac +/- 10% 115Vac +/- 10%
Approvals	CE, UL, cUL
Functionality	
Display	128 x 64 graphical back lit LCD
Processor	16 bit ST 10 Micro processor
Modes of control	First in first out, Equal hours, Timer rotation
Features	Pre-fill, Sequence rotation, priority settings, pressure schedule, real time clock
Interface	
Digital inputs	1 x Menu selectable single function digital input
Auxiliary outputs	1 x Menu selectable single function digital output
Compressor Connection	
Quantity	Up to 4 Fixed speed air compressors
Interface	2 x RS485 and i-PCB (I/O)
Distance from GD Connet 4	RS485 1600 meters – 4–20 mA pressure signal cable: 100 meters
Ambient Conditions	
Operation	Min. 0°C to max. 46°C
Humidity	Max. 95% RH

EMC Conformity	
Emissions	DIN EN61000-6-4:2007
Interface suppression	DIN EN61000-6-2:2005
Housing	
Dimensions (W x H x D)	286 x 236 x 152 mm
Protection Type	IP54 NEMA12
Weight	6.4 kg
Mounting	4 x fixing screws, wall mount
Scope of Supply	
GD Connect 4	
Pressure sensor	
Set of cable glands	
Set of connector plugs	
Options	
i-PCB	
Network gateways for modbus master, profibus and devicenet	

For additional information please contact Gardner Denver or your local representative.

Gardner Denver

gdcompressors.eu@gardnerdenver.com
www.gardnerdenverproducts.com

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