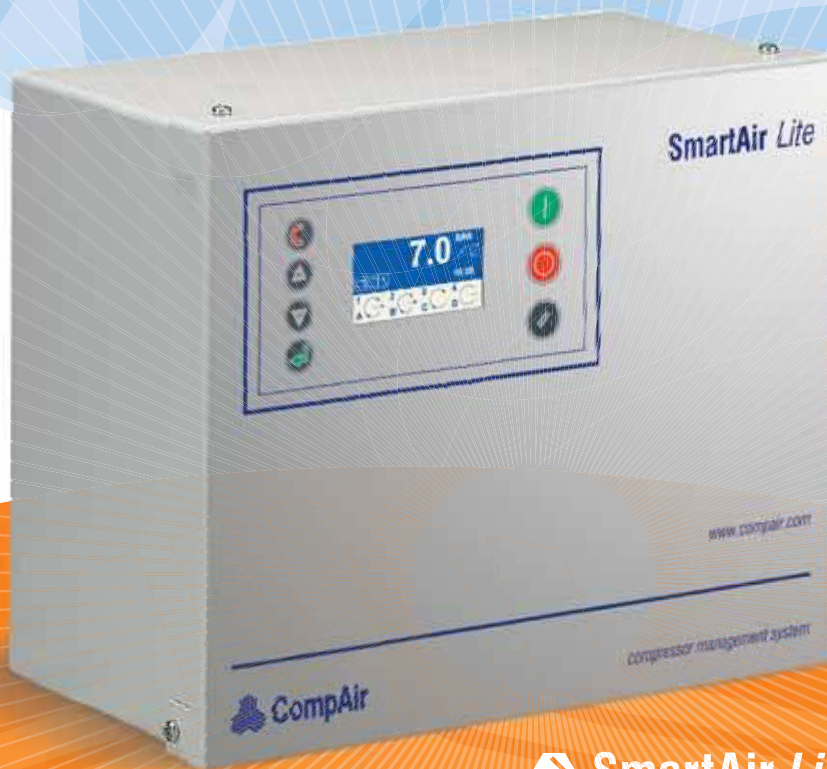


COMPRESSED AIR INTELLIGENT SYSTEM CONTROLLER



⇒ **SmartAir Lite**

INTELLIGENT AIR TECHNOLOGY



⇒ *SmartAir Lite – Smart controller to lighten your energy bills*

- ⇒ Clear display with individual compressor status
- ⇒ Pre-set control modes
- ⇒ Pre-programmed for easy connection
- ⇒ Simply installation for non CompAir machines with only one i-PCB
- ⇒ Efficient system control with savings up to 30 %



**smart
& lite
control
com**



SmartAir Lite harmonising the energy consumption of up to 4 compressors

⇒ TAKE CONTROL

Energy efficiency should be at the top of any compressed air user's priority list no matter how large or small the compressors are. The fact still remains that energy accounts for up to 80% of the total cost of owning a compressor. To optimise energy usage and energy efficiency in any system using multiple compressors an intelligent system controller is essential.

⇒ ENERGY REDUCTION

In compressed air systems where individual compressors run without a central control between 10 to 50% of energy could be wasted. To help customers achieve the highest levels of system efficiency CompAir has introduced the **SmartAir Lite** to its existing compressed air management range.

⇒ TOTAL SYSTEM SOLUTION

In addition to the more sophisticated SmartAir Master which is designed to control up to 12 compressors both fixed and variable speed, the **SmartAir Lite** is designed to intelligently control up to 4 fixed speed compressors, and offer the compressor system the highest level of efficiency. This is achieved by controlling the overall system pressure band and reducing it to the lowest operating point as well as optimising and managing compressor selection.

⇒ OPERATING MODES

System set up and operating modes can be seen and changed via the clear and easy to use LED display.

Three pre-programmed operation modes are:

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

The highest system efficiency and reliability is achieved by running the system in the most suitable mode for the application.



on savings
on cost
ling up to 4
pressors



⇒ YOUR BENEFITS

Real time clock

Allows the accurate operation of the enhanced features

System pre-fill

Utilising the real time clock the **SmartAir Lite** will automatically start the compressor station allowing you to pre-fill your system ready for production.

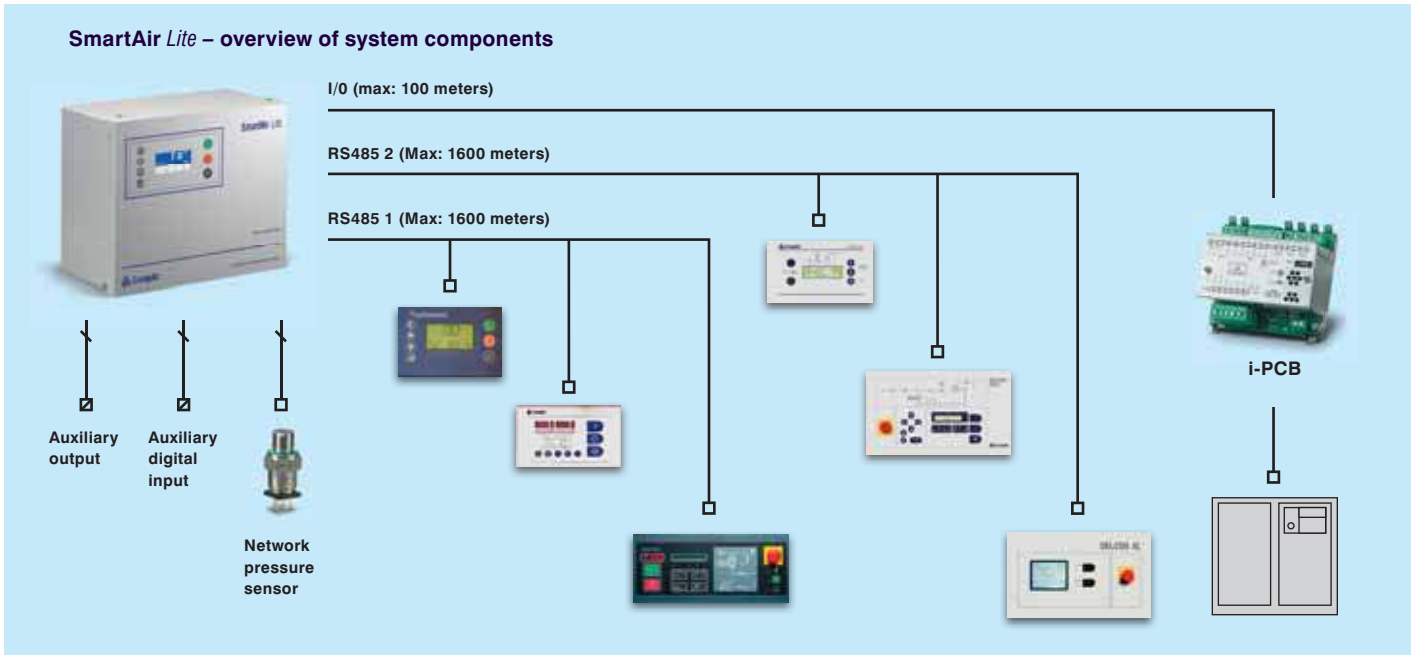
Priority settings

Allows priority selection of compressors to optimise efficiency

Pressure scheduling

When different pressures are required to suit individual processes the **SmartAir Lite** can be pre-programmed to adjust the system pressure and reduce energy.

INSTALLATION OVERVIEW



TECHNICAL DATA

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 SmartAir Lite	RS485 1600 meters 4–20mA 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	
SmartAir Lite	
Pressure sensor	
Set of cable glands	
Set of connector plugs	
Options	
i-PCB	
Network gateways for modbus master, profibus and devicenet	



CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.

