

News from CompAir

SmartAir Master helps improve compressor performance CompAir launches new compressor controller

CompAir has launched SmartAir Master, a simple-to-install control system that provides detailed management reports to help plant engineers improve the performance and efficiency of a compressor network.

The SmartAir Master will intelligently control up to 12 compressors, fixed or variable speed and can reduce energy consumption by up to 35%, by operating all of the compressors in the network to the narrowest pressure band.

It is considered that the easier a controller is to install and commission and the more comprehensive the data it provides, the more efficient the compressor network can operate.

CompAir has therefore designed the controller to be very easy to install, with a series of on-screen prompts that guide the commissioning engineer through the set up and confirm when each parameter has been programmed correctly.

Some controllers require a high degree of technical input and detailed information about each compressor in the network in order to be installed correctly. In contrast, once each compressor is connected to the SmartAir Master, the engineer needs to enter only minimal information as the controller will identify all the units in the system and will self-programme many stages.

In addition, unlike conventional controllers, which need numerous interface cards to communicate with each compressor, the SmartAir Master has just two options, helping to improve the speed and ease of installation.

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These functions combine to ensure that the most efficient compressor combination is selected, thereby avoiding the risk and associated cost of offload running.

In addition, where compressors of the same capacity are installed, the system will equalise running hours so that no machine is over or underused, reducing maintenance concerns and costs.

SmartAir Master provides a variety of performance data on a visual touchscreen, giving plant managers a comprehensive overview of the complete system, including downstream equipment to help improve network performance. This can include information such as the status of each compressor connected, as well as network pressure, compressed air consumption and pressure range, all of which can be presented in graphs or tables.

In addition, SmartAir Master is available with a removable SD memory card, enabling data to be transferred to and analysed on a pc and management reports produced. A local network connection is also provided, allowing system data to be viewed using the optional web server module.

Benefits at a glance:

- Step-by-step operation and programming via full colour touch screen.
- User-friendly and self-explanatory, with "commissioning wizard" for easy programming.
- Fault and warning messages for each compressor are listed along with exact time and date.
- Service technicians can immediately analyse the cause of any maintenance required.
- Simple installation with low cabling costs using a data cable with a "bus structure".
- An on-screen user manual is also available.

Accessories such as dryers, filters and condensate drains are easily connected to the SmartAir Master directly or via an extension module.

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