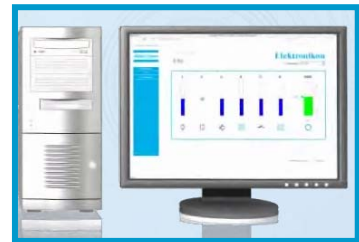
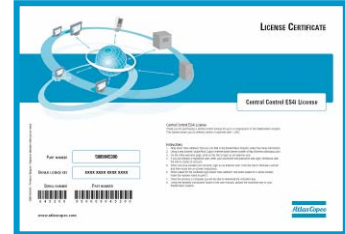


ES 4i ELEKTRONIKON GRAPHIC - COMMERCIAL DATA SHEET



Basic Information

Name	ES 4i Elektronikon Graphic
Part Number	8092 2914 94
Kit Scope	Licence, no cables.

Description

The ES 4i is a simple sequence controller for up to 4 compressors, 1 of which can be a VSD machine. The ES 4i software can be activated in any Elektronikon Graphic controller with a licence key, shown in the picture to the right. The ES 4i functionality only needs to be activated in 1 machine per installation. The Elektronikon with the activated ES functionality has an internal web server on board. This web server foresees the possibility for online monitoring of the current status of the installation.

Key Functions

- Single point pressure measurement
- Dual pressure operation, timer based (Daily, weekly, monthly...)
- Timer based (Daily, weekly, monthly...)system start-up and shut-down
- Equalisation of running hours across all machines
- Prioritised use of VSD compressor (if available)

Technical Data

Installation type:	Licence for 1 compressor
Max machines:	4
Max load/unload	4
Max VSD	1 (+ 3 Load/unload compressors)
Normal pressure measurement:	Master machine transducer
Optional pressure measurement:	Transducer or transmitter in net

Important Notes

The ES 4i only works with machines connected via the CAN network. All compressors (except equipped with Elektronikon Gen 4 & 5) can be connected over a CAN box.

Features – Advantages – Benefits

Control Feature	Advantage	Benefit
Single point pressure measurement	Avoids cascading and reduces pressure band.	Significant drop in power consumption and related energy costs
Dual pressure band, timer controlled.	Enables an alternative system pressure to be used during specific periods of the day.	Facilitates further energy reductions
Time based system shutdown and restart	Eliminates air consumption from leaks during non production hours, which typically account for 20% of total system capacity.	Totally avoids running costs during non-production hours
Equalisation of running hours across selected machines	Co-ordinated maintenance on all machines such that servicing is required on all machines at the same time - reducing the number of service visits	Reduces maintenance costs and maximises reliability.
Use of VSD to match flow fluctuations.	Ensures load/unload machines are always used for base load and VSD as top-up, meaning that each machine type is used at its most efficient operating point.	Further optimises total energy consumption