

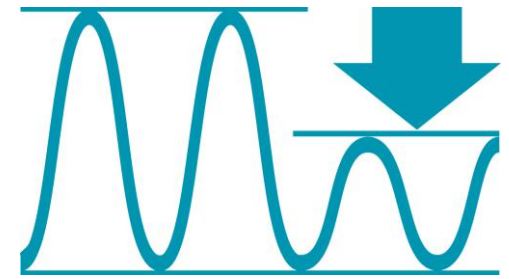
Atlas Copco Optimization Central Controller

Optimizer 4.0:

A New Generation of Atlas Copco Central Controllers

With our new advanced central controller, you will generate and sustain energy savings by:

- Regulating the system pressure within a predefined and narrow pressure band to optimize energy efficiency.
- Prioritizing the use of newer and/or more economic machines over older, less effective versions.
- Promoting the use of VSD machines, because they are the most energy efficient in all variable demand situations.
- Scheduling shutdown to avoid unexpected costs during nonproduction hours.
- Reducing maintenance costs thanks to comprehensive, flexible machine sequence control. Optimizer 4.0 ensures that system running hours are equal across all common machine types in the same group. As a result all machines can be visited at the same time, requiring fewer service visits.
- Getting your critical data logged and traced up to one month of history.
- Enabling you to continuously evaluate system efficiency and accumulated savings with SMARTLINK Energy Savings dashboard, SMARTLINK Energy reporting and analysis on the SMARTLINK website.



Features	Benefits
Equalize running hours across selected machines	Equal wear on machines allows maintenance intervals during single visit.
Sequence selection	Optimize use of machines under all conditions.
Scheduled shutdown	Avoid unexpected downtime.
Improved pressure band optimization	Reduced energy consumption. Stable pressure contributes to production quality.

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General

Description Central Controller

Controller Capacity

Maximum number of connected machines 4 / 8 / 60

... of which compressors 4 / 8 / 30

... of which dryers 4 / 8 / 30

Ancillary equipment Rule based control (O/I)

Connectivity

Standard Analogue Inputs 8

Standard Digital Inputs 4-channel digital input; DC24V; 3ms

Standard Digital Outputs 4-channel digital output; AC 250 V; 2.0 A; Potential-free; Relay, 4 make contacts

Data logging and trending Up to 1 month

Local/Remote Connectivity Embedded webserver view of user interface on any device in LAN (standard)
Local monitoring via SMARTVIEW (optional)
Online monitoring via SMARTLINK (optional)

Remote commands via fieldbus Modbus RTU/Profibus via optional Mk5 Gateway
Ethernet IP/Modbus TCP/Profinet via optional SMART2SCADA software (no extra hardware needed)

Hardware

Display 12" color touch screen

Pressure sensing Up to 4 in net

Cubicle protection IP54

Dimensions depth x width x height (mm) 600 x 600 x 210

Weight 30kg

