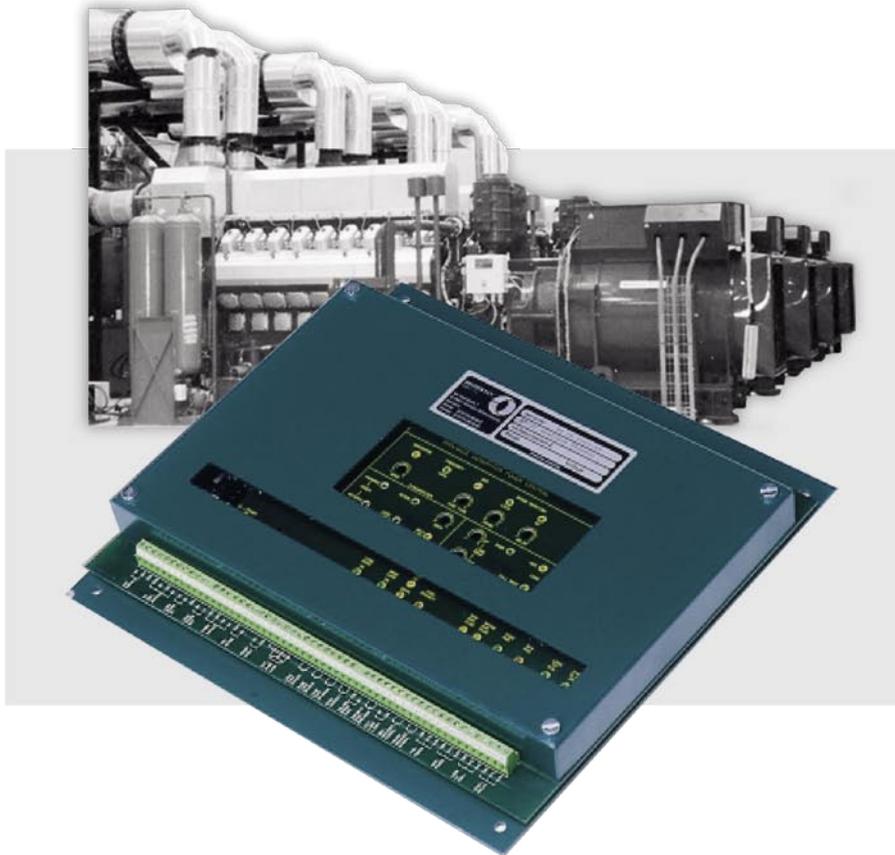


THESEUS analogue

Analogue Generator Control Unit for
Isolated and Mains Parallel Operation



- ✓ Auto synchronizing
- ✓ kW measuring and control
- ✓ Adjustable load ramps
- ✓ Load transfer

Engine & Turbine Controls

HEINZMANN®



THESEUS analogue

Analogue Generator Control Unit for Isolated and Mains Parallel Operation

The Analogue Generating Control Unit AT 01 includes the following facilities in one single unit:

- synchronization
- resistive load measuring and control
- load ramps
- load transfer

In comparison with the separate devices normally used this will result in a considerable reduction in wiring and commissioning works.

The device can be used for isochronous isolated parallel operation, for mains parallel operation and for controlled mains supply (import/export).

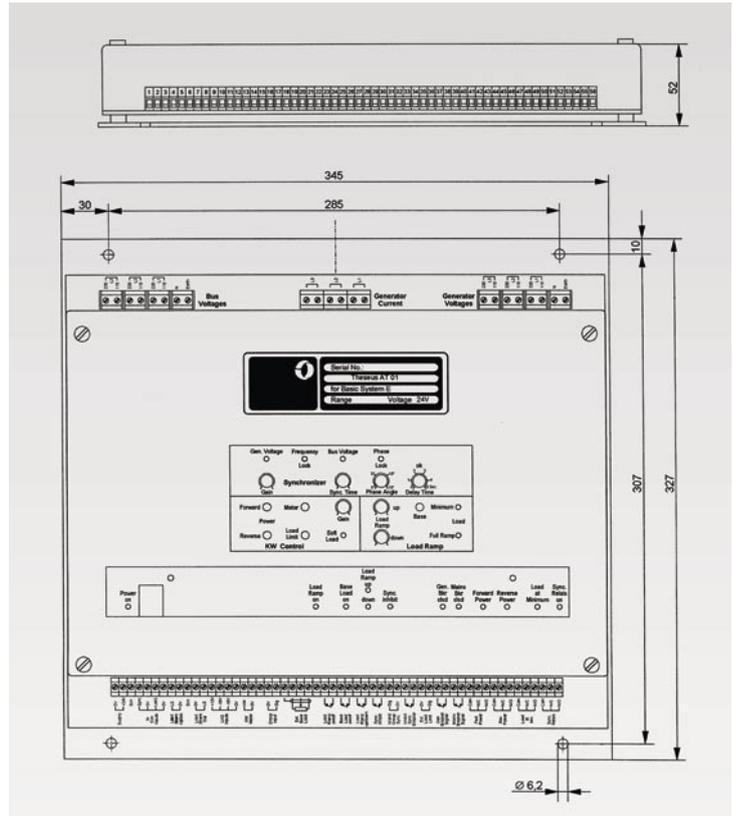
The basic functions are shown in the functional block diagrams. For synchronization and load control three-phase sensing is provided.

Due to a number of light emitting diodes indicating its operating states, the control unit is very easy to commission and to operate.

For indication of generator output an adjustable voltage or current signal is available. The unit can be used in combination with both the analogue and the digital HEINZMANN speed governors.

A separate interface device is available for combination with governors from other manufacturers.

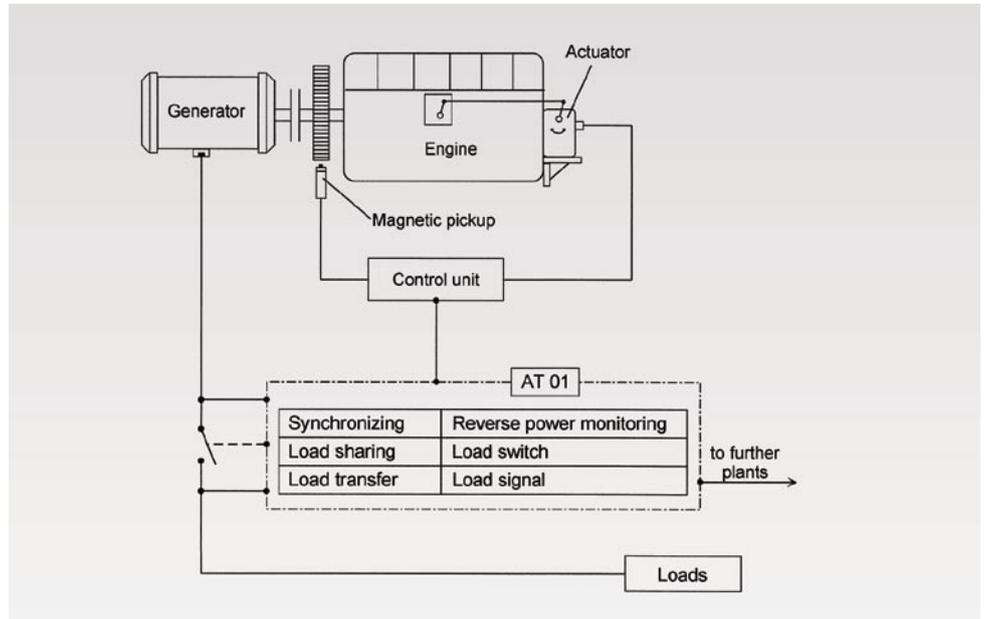
Generator Control Unit



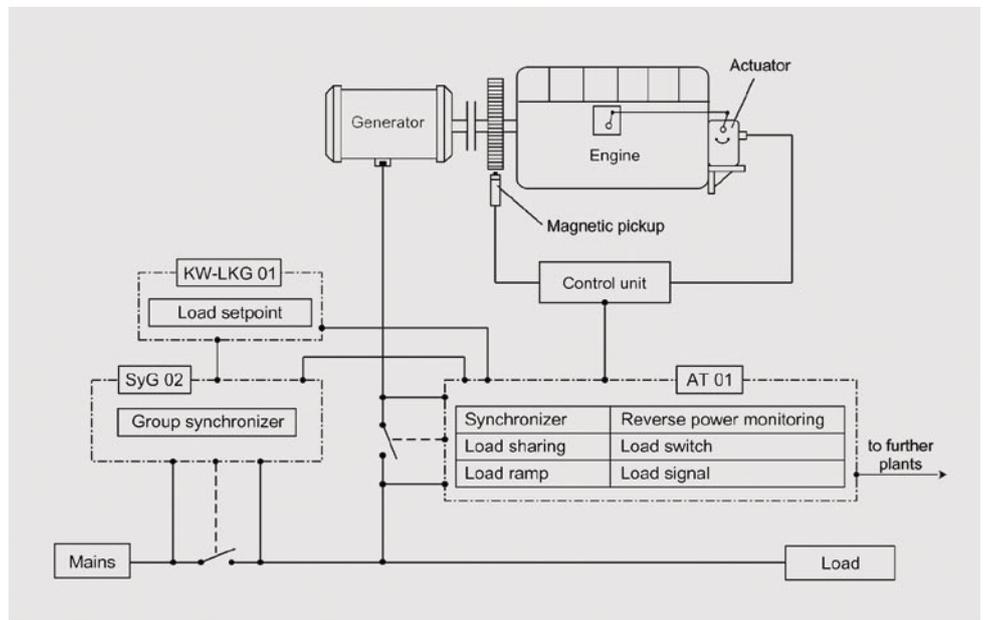
Specifications

Specifications:	
Operating voltage	24 V DC
Maximum voltage	35 V DC
Minimum voltage	18 V DC
Residual ripple	maximum 10% at 100 Hz
Current consumption	approx. 500 mA
Generator / Mains voltage	110 - 415 V AC
Generator / Mains frequency	50 / 60 Hz
Current input	1 A or 5 A, maximum 2 VA
Temperature range	0°C to +70°C
Protection type	IP00
Weight	approx. 3.1 kg
Relays for	Synchronization Reverse power Minimum load Forward power

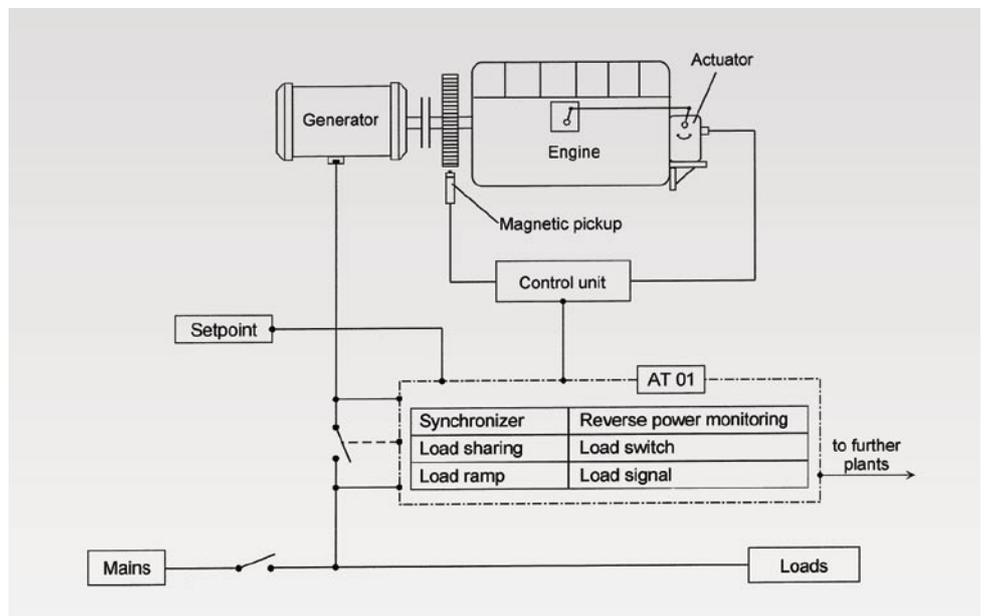
***Isochronous
Isolated
Parallel
Operation***



***Controlled
Main Supply
(Import/Export)***



***Mains Parallel
Operation***





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Selection of HEINZMANN products

Wide range of digital and analogue control units



Different sized electrical actuators for 1Nm up to 500 Nm



Electronic fuel control system (EFI) - control units from 4 cyl. up to 20 cyl. engines



Range of analogue and digital generator management units



Gas engine management



Common rail systems



Sensors & solenoids



Digital control systems for gas turbines



Hydraulic governors & actuators



Quality & Precision since 1897

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