

Engine Controller

Digital speed governor

The latest innovations
available for retrofits.

Description

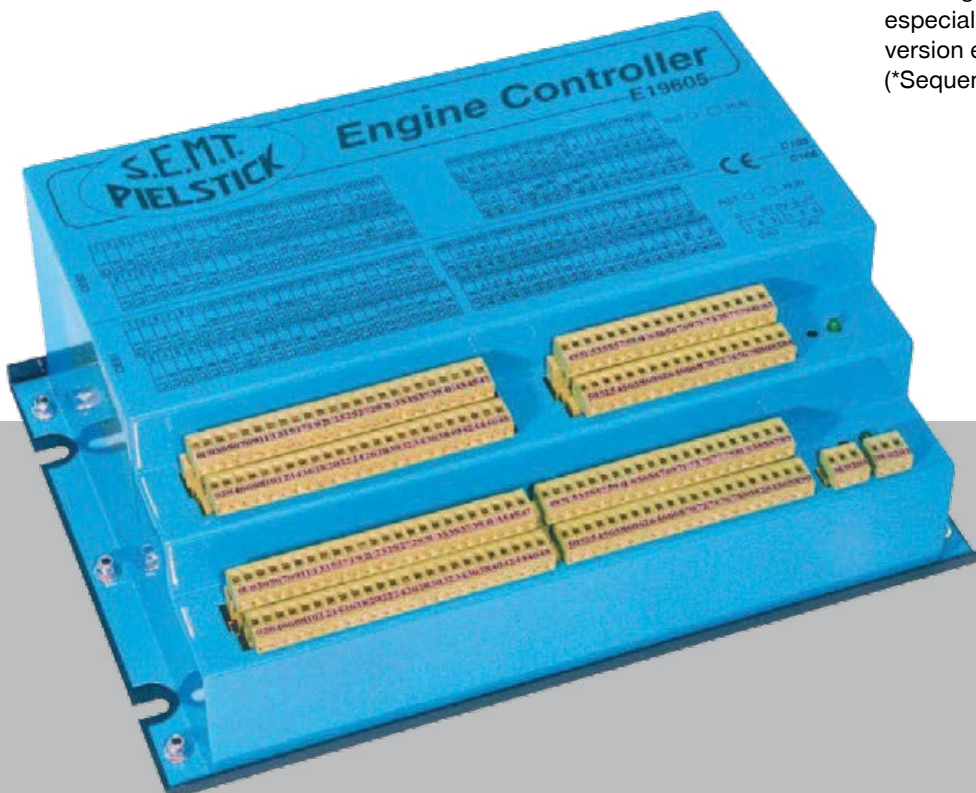
MAN PrimeServ integrates the latest MAN Energy Solutions's innovations as automation retrofits solutions.

Engine Controller regulates the speed of the engine according to its set point. This is a digital speed governor dynamically driven in compliance with the engine operating conditions.

Engines

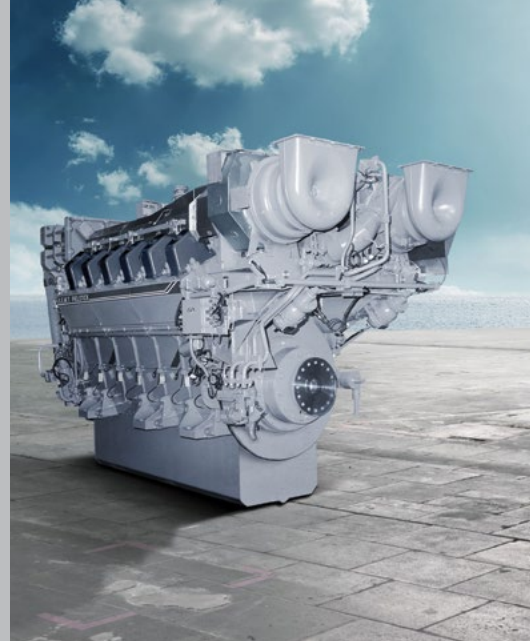
MAN Energy Solutions France designed and developed the Engine Controller for S.E.M.T. Pielstick and all 4-stroke engines.

The Engine Controller has been especially customized for STC* version engines types (*Sequential Turbo Charging).



Engine Controller

Digital speed governor



Benefits

- Engine speed regulation
- Load production regulation
- Protection against mechanics failures due to potential overspeed
- Control of the quantity of fuel at starting
- Dynamical adjustments according to the engine operating conditions
- This technology is able to withstand even in the harshest operating conditions (from -25 to +71°C)
- Connection to remote safety and alarm systems

Certified Quality

- MAN Energy Solutions OEM products
- All products are CE compliant & approved by societies of classification
- Unit and operational engine tests performed
- Engine Controller is especially compliant to nuclear and navies applications due to its specific qualification

Technical features

The Engine Controller provides:

- Speed setting via configurable ramps
- Fuel rack limitation to protect the engine
- Control of the quantity of fuel at starting
- Sharing function by adjusting the load of engines coupled to one shafting

The Engine Controller may also provide automatic working sequences.

Technical components

- Analog inputs
- Analog outputs
- Logic inputs
- Logic outputs
- Frequency inputs
- LEEC software

How to equip your installation with Engine Controller?

The elementary design of the Engine Controller allows a short installation time.

Beforehand, the OEM technical support provides a pre-diagnosis, then, in case of need, an engineering study and a dedicated general drawing of location.

References

800 engines, on navies and nuclear installations worldwide, are equipped with Engine Controller.

MAN Energy Solutions France

Avenue de Chatonay
Porte 7 - BP 427
44615 Saint-Nazaire
Cedex - France
P +33 2 40 90 65 00
F +33 2 40 90 65 89
www.france.man-es.com