

# VIKING 27 SD

## Engine Management and Fuel Control for efi diesel engines

**Viking 27 SD will provide a flexible solution for Common Rail electronically fuel-injected diesel engines.**

It provides control of an engine of up to 20 cylinders and with a maximum of 5 high pressure pumps for the common rail. The Viking 27 SD is designed to provide normal speed control functionality and is targeted at simple applications such as generator sets.

In the Viking 27 SDEM form, the Viking 27 engine management system gives comprehensive control functionality for more complex applications such as traction and marine propulsion.

In both configurations the Viking 27 provides full functionality for mapping fuel pressure, pre-injection, main-injection and post-injection. The Viking 27 SDEM has the added advantage of being able to revert to a simple governing mode in case of a failure of the full functionality engine management system.

A feature of Viking 27 is its ability to provide a single unit solution for up to 20 cylinders but with the potential for using dual redundancy, without any common logic, for high integrity applications, thus minimising common mode failures

### APPLICATIONS

**Generator sets**

**Pump Sets**

**Simple propulsion**



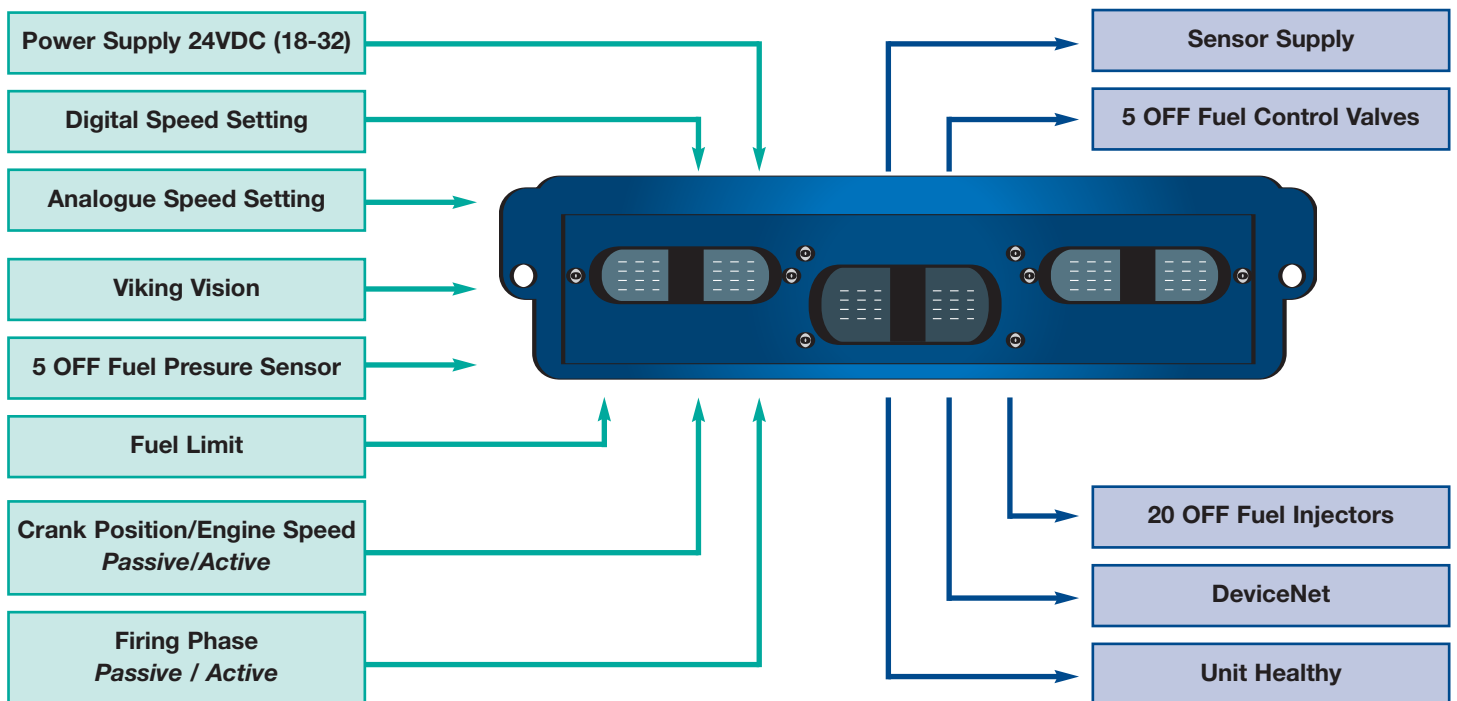
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### FEATURES

- Is an EFI controller for reciprocating diesel engines with up to 20 cylinders and 5 fuel control valves operating at speeds up to 2500rpm.
- Is capable of running both common rail systems and electronic unit injectors/pumps. The Viking 27 comes in two formats to suit the application requirements.
- Viking 27 SD for simple generator/marine applications
- Has the ability for parameter adjustment through Viking Vision windows based software.
- 24V DC supply voltage
- Dual redundant version available for single engine marine applications, without a requirement for additional hardware.
- IACS Spec E10 environmental requirements for on engine mounted equipment.
- Speed sensor redundancy and backup modes of operation.
- Up to 5 programmable injection events per cylinder.

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