



K21 Engine Controller

Diesel Engine Management System

easy to use, safe, reliable, reduces running costs

Low Oil Pressure Shutdown	High Coolant Temp Shutdown	RPM Display Overspeed Shutdown	100 Hour Run Timer	Engine Hour Meter	Battery Voltage Monitor/Display
J1939 CANBUS Ready	Fault History Logger	Configurable Digital Inputs	IP66 Control Module UV stable	MODBUS/Telemetry Ready	Low Radiator Level Shutdown
				4-20mA Pump Pressure	9-36VDC Compatible

- Entry level cost effective control panel for small to medium size diesel engines.
- Engine push button Start and Stop. With over crank protection.
- Bi-directional remote telemetry connection to a PLC and SCADA networks and to a website via Satellite or GSM modem.
- Bright graphical display showing all engine's data and warning/faults. RPM, battery voltage and engine hours are shown.
- Complete engine protection on low oil pressure switch and high engine temperature switches. Includes low radiator coolant level detection and over-speed engine shutdown.
- Robust IP66 control module in a powder coated enclosure with vibration isolators.
- Engine speed control via CANBUS J1939 for electronic engines. Not available on mechanical engines
- Programmable 100hour run timer. Set it, start the engine and walk away.
- Spare digital inputs.
- One panel to suit mechanical engines or electronic CANJ1939 engines.
- One panel to suit mechanical engines or electronic CANBUS J1939 engines.
- I/O Expansion Capable.
- In built data logging on all engine faults.
- Easy to set up and program. Will permit future software upgrades via a computer.



Easy to read display, large icons and characters. The LCD can be viewed in direct sunlight



Sturdy enclosure with die cast hinges and latch.

Product Description

Reduce Your Operating Costs & Increase The Engine's Life Cycle.

The K21 engine controller is designed for the off-road stationary diesel engine market. It is a cost effective entry level control panel. The controller's primary function is the management of your diesel engine. The software and hardware are designed to be simple and easy to use. The K21 is primarily designed for the following applications: Wastewater, de-watering, irrigation pumping, power generation, air compressors, high-pressure cleaners, lighting towers, dust suppression pumping, tank filling, sewer bypass, frost control and fire pumps.

Works With A Wide Range Of Diesel Engines.

The K21 is suitable on both electronic and mechanical engines. On electronic engines pressing UP/DOWN arrows can increase the speed. Mechanical engines must be controlled with a mechanical throttle cable. This controller is suitable for use on the following engine brands: Caterpillar, Cummins, MTU, Detroit, Perkins, Deutz, Hatz, Scania, Kubota, Yanmar, JCB, Lister and various engines from Asia.

Telemetry connection Via (Satellite/GSM/GPS)

The controller's telemetry capabilities make certain you will always be connected to your asset via a smart phone, tablet or computer. You have the option of sending data to a 3G network or the option of a go-anywhere satellite network. Just choose the right Modem/Data package to suit your budget. PLC, RTU or SCADA users can also connect to the k21 controller. The control panel has inbuilt data logging capabilities and captures all shut-down messages

Engine Wiring and Panel Kits to suit your build.

The controller is normally supplied in kit form. This kit includes the controller in an enclosure, an engine wiring loom, a throttle actuator, secondary solenoids, mounting brackets and any other components your build will require. Just mention what you need and we shall supply.