e-smart FIRE CONTROLLER

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esmart Fire Controller is a cost effective controller designed for diesel Genset

The Uni-tech e-smart Fire Controller is a versatile, high technology electronic controller meant for monitoring the Critical parameters of Fire Pump Controller ,so as to restart the Engine, maintaining the Oil Pressure, Engine Temperature, Battery voltages & other critical parameters.

The unit features Automatic Manual start and stop sequencing of Engine, safety monitoring with warning, alarm and trip conditions.

Integration - Function and Connections related to the various discrete assemblies in a Genset control panel

Savings - Complications, Wiring, Panel size and Instrument Costs

Combination - Functional blocks in one compact, easy to install unit

- Automation of Engine & Engine sequences
- Engine Safety.
- Engine Instrumentation.
- Logging and reminders.
- Graphic display.

e-smart FIRE CONTROLLER features

- Automation of engine sequences: The unit automates the starting, stopping and Battery load transferring sequences, thus allowing completely un-attended engine operation.
- Engine Safety: The unit monitors the engine operating parameters continuously. In the event of the parameters going outside the set limits, the engine is stopped automatically.
- Instrumentation: The unit combines engine parameters and engine protection in a single integrated package. This integration minimizes the control panel size while reducing the wiring, discrete parts and assembly costs.
- Remote communication (Optional): The unit communicates to remote devices, including computers through an RS485port.

FEATURES	DESCRIPTION
Operating Voltage	8-32 VDC
Password protection	Parameter Setting
Fuel Select	ETR/ETS
Frequency Range	Depending on charging alternator pulley rotation/ MPU Frequency.
Auto Start/Stop	✓
DC Under/DC Over Voltage Protection	✓
Engine Temperature Sensor	Enable/Disable
Engine Oil Pressure Sensor	Enable/Disable
Engine coolant Temp. Sensor	Enable/Disable
Engine/ Temperature Switch	✓
Engine Oil Pressure Switch	✓
Engine coolant Temp. Switch	✓
Emergency Stop	✓
Excitation	✓
Engine Start	✓
Engine Stop	✓
HOOTER	✓
Oil Temperature Fault	✓
HCT fault	✓
Oil Pressure Fault	✓
Overspeed Fault	
MPU I/P	✓
Display	128*64 LCD
Event Logs	✓
RUN Hours	✓
Maintenance Time	✓
Mounting	Screwed Panel Mounting
Over all Dimensions(in mm)	187*127*37mm