



UNI-TECH
Automation Pvt. Ltd.

e-smart ESU



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esmart ESU is a cost effective safety unit designed for ENGINES

The Uni-tech e-smart ESU is microcontroller based Engine Safety Unit (ESU). The control provides a simple operator interface to the Engine with EMG / AUX. STOP control, shutdown Fault indication by LED and buzzer .The unit finds application in Engine automation panels of all complexities.

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

Savings - Complications, Wiring, Panel size and Instrument Costs

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

- Engine Instrumentation
- Engine Safety
- Engine Operation
- Electrical Instrumentation
- Electrical Safety

e-smart ESU features

- 8-32VDC Operating Voltage
- Engine Safety: The unit monitors the engine operating parameters continuously. In the event of the parameters going outside the set limits, the Engine generates respective faults and stops the engine.
- Instrumentation: The unit provides protection in a single integrated package. This integration minimizes the control panel size while reducing the wiring, discrete parts and assembly costs.

Fault indication LED



FEATURES	DESCRIPTION
Operating Voltage	8-32 VDC
Oil Pressure Switch	✓
Fuel level Switch	✓
Canopy Temp Switch	✓
Coolant Temp. switch	✓
Fault Indication	LED
Buzzer	12VDC
Relay	BGLI 12VDC/70A
Mounting	Screwed Panel Mounting
Over all Dimensions	72*82*68.50mm

DESIGN RITU 98906 59256 (5-17)

Manufactured by : **UNI-TECH Automation Pvt. Ltd.**

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