



**UNI-TECH**  
Automation Pvt. Ltd.

## e-smart AMF-111



# e-smart AMF-111

esmart AMF-111 is a cost effective controller designed for diesel Genset

Uni-tech e-smart AMF-111 is a versatile high technology electronic Genset controller meant for automating single phase diesel engine Genset. The features of unit are manual as well as automatic start and stop sequencing, engine and alternator safety monitoring with alarm and trip.

The unit finds application in single phase Genset automation panels of all complexities - from simple start/stop panels to complex Automatic Mains Failure (AMF) panels.

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

- Engine Instrumentation
- Engine Safety
- Engine Operation
- Electrical Instrumentation
- Electrical Safety
- Electrical Load Switch
- Genset management Annunciator

## e-smart AMF-111 features

- Automation of engine sequences: The unit automates the starting and stopping sequences, thus allowing completely unattended Genset operation.
- Engine Safety: The unit monitors the engine and generator operating parameters continuously. In the event of the parameters going outside the set limits, the Genset is stopped automatically.
- Instrumentation: The unit combines engine and alternator parameter display and 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.
- All AMF Features: Mains and Genset voltage monitoring.



FEATURES	DESCRIPTION
Operating Voltage	8-32 VDC
Voltage/Current	True RMS
Power Factor Indication	✓
AC Voltage Input	P-N= 300 Volts Max
Frequency Range	45-55 Hz
Input AC Current	0-5Amps Max
Apparent Power (KVA)	✓
Real Power (KW)	✓
Total Power (KWH)	✓
Auto Start/Stop	✓
Mains Voltage Indication	✓
Mains Over/Under Voltage	Settable
Fuel level warning/alarm	Settable
Oil Pressure Sensor/Switch	✓
ENG Temperature sensor/switch	✓
Load transfer Delay	Settable
Fuel Select	ETR/ETS
Password protection	Parameter Setting
Communication Port (Optional)	RS-485 (MODBUS RTU Protocol)
Remote Start/Stop	Wired
Display	8*2 LCD
Mounting	Screwed Mounting
Over all Dimensions	84*72*30
Weight	85gms
Emergency Stop	✓

DESIGN RTU 98906 59256 (5-17)

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

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