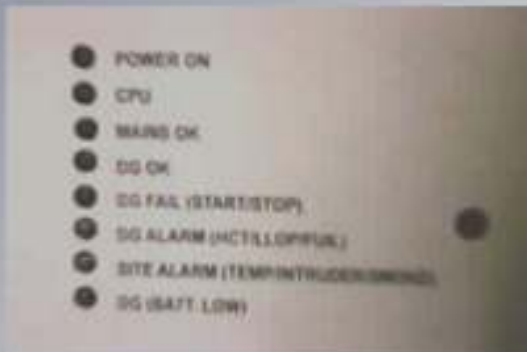


MicroSystem Engineers

Auto Monitoring Facility



Auto Monitoring Facility

Best Manager for Diesel Generators

MicroSystem Engineers (MSE) is a strong pioneer involved in providing embedded solutions & high quality product/ services to the customers, employing a dedicated R&D shell for customized engineering.

MSE introduces its state-of-the-art Micro controller based Auto Monitoring Facility (AMF) to manage Diesel Generators in all respects. The system is designed keeping in mind on site working of DG set. Functionally, AMF automatically switch on DG & transfer load from utility mains to DG set, in case of power failure. It manages to transfer the load again from DG to mains & switch-off DG while mains is restored. It also monitors the working of DG set including audio visual alarm facility in case of any generator fault.

Salient Features

- ❖ Minimize unwanted run time for DG
- ❖ Real time DSP based system for efficient working
- ❖ No need of manual attention regarding AC mains availability
- ❖ Monitor working of DG & give audio visual alarm at the time of fault & shuts down DG set.
- ❖ Increases life of DG if faults located by AMF is attended timely
- ❖ Keeps a track of Mains / DG running hours
- ❖ Multiple DG Operation facility up to 5 nos. (Optional)

Areas of Application

- Automobile Industries
- Textiles
- Banks
- Hospitals
- Telecom Service Providers
- Call Centers
- Research & Development Centers
- Testing Laboratories
- Software Development Centers

MicroSystem Engineers

AMF – Technical Specification

VISUAL INTERFACE

7 segment LCD Display

Mains Voltage
DG set Voltage
Load on DG / Mains
Load Current / Frequency
Mains / DG running hours
Power Plant Voltage (For Telecom sites)
Ambient Temperature
DG Alarm Information

LED

Power ON
CPU
Load on Mains
Load on DG
DG fails to start / stop
DG Alarm
Site Alarm
DG battery low

DG Alarm Monitoring

LLOP (Low Lupe oil pressure)
HCT / HWT
V-Belt
Fuel level
DG battery low
Alternator fault

Site Alarm Monitoring

Fire / Smoke
Intruder alarm
Temperature Alarm

Potential free alarm extensions

LLOP
HCT / HWT
V-Belt
Fuel Level
DG battery low
Fire / Smoke
Intruder Alarm
Mains ON DG running