

The DMS 5220 is an Automatic Mains Failure Control Module. With its many standard features and flexible upgrade options it provides a 24 hour, 365 days a year monitoring system of the mains supply and will automatically start a standby generating set if the mains power fails.

The DMS 5220 also indicates operational status and fault conditions, automatically shutting down the generating set and indicating faults by means of its LCD display with appropriate flashing LED lights set out on the front panel.

### Standard specification

- ▶ Microprocessor controlled
- ▶ Engine parameter monitoring
- ▶ Spare fault channels for optional shutdowns or alarm
- ▶ Digital display of current, voltage and frequency
- ▶ Autostart
- ▶ Sheet steel cabinet
- ▶ Excellent cable access
- ▶ Membrane keypad with tactile feedback
- ▶ Instrumentation displays supplemented by events log



## DMS 5220



## Auto Mains Failure Module



## Standard features

### ▶ AC metering

AC voltage  
AC current  
Frequency (Hz)  
kVA  
kW  
Power factor

### ▶ Controls

Stop/Reset auto manual push buttons LED display scroll event log view  
Cold weather start  
Start push button  
Load transfer contact control

### ▶ Shutdowns

Low oil pressure  
High water temperature  
Over speed/emergency stop  
Fail to start/lockout  
Mains over/under volts + over/under frequency  
Generating set under/over volts  
Generating set under/over frequency

### ▶ Alarms

Charging alternator failure (integrated into battery voltmeter)

### ▶ Status indicators

System activated (heartbeat)  
Hours run meter  
Battery voltmeter  
Oil pressure gauge  
Water temperature gauge  
Mains available/on load  
Generator available/on load

### ▶ 5 Spare warning/shutdown faults

## Optional features

- ▶ 4 pole breaker
- ▶ Earth leakage trip
- ▶ High lube oil temperature shutdown†
- ▶ Low fuel level shutdown
- ▶ 5A battery charger
- ▶ Coolant heater
- ▶ Volt free contacts for common alarm
- ▶ Low fuel level alarm
- ▶ High fuel level alarm
- ▶ Low coolant temperature alarm
- ▶ Low coolant level shutdown

† Not available on 3 cylinder models

## Standards

- ▶ 98/37/EC Machinery directive  
BS EN 60204 - 1 Safety of machinery
- ▶ 89/336/EEC EMC directive:  
Amended by 91/368/EEC, 93/44/EEC, 93/68/EEC  
BS EN 50081 - 1 Emissions standard  
BS EN 50082 - 2 Immunity standard
- ▶ 73/23/EEC Low voltage directive:  
Amended by 93/68/EEC  
EN 50178 LVD standard



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