

The Access 2000 Modular control panel is an autostart control system used to provide remote starting capabilities for the generating sets. It has been designed to meet the demands and practices of today's marketplace. The panel delivers a high value package while setting the standard in reliability, serviceability and package integration. Based on a modular concept, with a choice of snap-fit engine control and AC metering modules, the panels can easily be upgraded or replaced. Modules can be calibrated on site.

## Access 2000

### Standard specification

- ▶ Microprocessor controlled
- ▶ Engine parameter monitoring
- ▶ Spare fault channel for optional shutdowns or alarm
- ▶ Digital display of current, voltage and frequency
- ▶ Autostart
- ▶ Sheet steel cabinet
- ▶ Excellent cable access
- ▶ Membrane keypad with tactile feedback
- ▶ UV stabilised IP55 fascia, impervious to diesel fuel or lubricating oil
- ▶ Wide operating temperature (-10 deg to +70 deg C)



## Modular Control panel



## Standard features

### ▶ AC metering

AC voltage  
AC current  
Frequency (Hz)

### ▶ Controls

Ready/off/reset push button  
Cold weather start  
Start push button

### ▶ Shutdowns

Low oil pressure (integrated into oil pressure gauge)  
High water temperature (integrated into water temperature gauge)  
Overspeed/emergency stop  
Fail to start/lockout

### ▶ Alarms

Charging alternator failure (integrated into battery voltmeter)  
Glow plugs energised

### ▶ Status indicators

System activated (heartbeat)  
Hours run meter  
Battery voltmeter  
Oil pressure gauge  
Water temperature gauge

### ▶ Spare warning/Shutdown fault

## Optional features

- ▶ 4 pole breaker
- ▶ Earth leakage trip
- ▶ High lube oil temperature shutdown\*<sup>†</sup>
- ▶ 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

\* Only 1 may be chosen,

<sup>†</sup> 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

