

## Total control at the touch of a button!

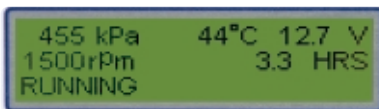
FG Wilson's new range of digital control panels gives you the industry leading control solution for all your power needs.

The PowerWizard 1.0 control system offers a cost effective way of monitoring and communicating with your generating set. Using cutting edge technology we've integrated meters, gauges and dials into one display, giving you quick and easy access to controls, metering, protection device settings and diagnostic information.

### Why should you choose an FG Wilson PowerWizard 1.0 series control panel?

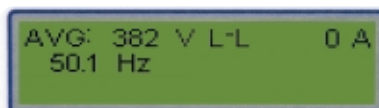
- ▶ Common look and feel from 10 to 2000kVA for ease of operation and service
- ▶ 9-32V DC providing a single module to cover whole product range
- ▶ Simple menu layout for ease of navigation and monitoring
- ▶ Two display languages, (English and a customer language\*) to aid service and commissioning
- ▶ Last 20 event log to aid fault finding
- ▶ Robust electronics package for industry leading reliability
- ▶ Configurable using front key pad/laptop
- ▶ Shortcut keys for immediate access to engine or AC metering
- ▶ Integrated metering and controls reducing components and wiring aiding reliability and ease of service
- ▶ Common engine wiring system allows simple upgrading between levels of panel
- ▶ Can be serviced using standard EST tool

\*See languages available overleaf.



455 kPa    44°C    12.7 V  
1500rPm    3.3 HRS  
RUNNING

Typical view of panel display after pressing the 'Engine' shortcut key



AVG: 382 V L-L    0 A  
50.1 Hz

Typical view of panel display after pressing the 'AC' shortcut key



## PowerWizard 1.0



## Control System



## Standard Features

### ▶ Panel construction and finish

Components installed in a heavy duty sheet steel enclosure  
Phosphate chemical pre-coating of steel provides corrosion resistant surface  
Polyester composite powder topcoat forms high gloss and extremely durable finish  
Lockable-hinged panel door provides for easy component access

### ▶ Mounting

Mounted to generating set baseframe on robust steel stand  
Vibration isolated from generating set

### ▶ Instrumentation

LCD Display with adjustable contrast and backlight with auto power off

#### AC metering

Volts 3-phase (L-L & L-N)  
Amps (per phase & average)  
Frequency

#### DC metering

Battery Volts  
Engine Hours Run  
Engine Jacket Water Temperature (in °C or °F)  
Lube Oil Pressure (in psi, kPa or bar)  
Engine Speed (RPM)

### ▶ Protection

Fail to Start  
Low Oil Pressure  
High Engine Temperature  
Low /High Battery Voltage  
Battery Charger Failure (if fitted)  
Underspeed, Overspeed  
Loss of Engine Speed Detection  
2 spare fault channels  
20 Event fault log (name of event, engine hours at first occurrence of event, engine hours at latest occurrence of event, number of occurrences of event)

### ▶ Controls

2 LED status indicators (1 red shutdown, 1 amber warning)  
Run key & LED indicator  
Auto key & LED indicator  
Stop key & LED indicator  
Lamp Test key  
Alarm Acknowledge key  
Menu navigation keys  
Engine and AC metering shortcut keys  
All control module keys have tactile feedback  
Lock down emergency stop push button  
CAN 1 data link – J1939 for communicating with electronic engine control modules

### ▶ Languages

LED displays available in Arabic, Chinese, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Icelandic, Italian, Norwegian, Portuguese, Russian, Spanish and Swedish

## Optional Features

### ▶ Battery charger

Battery trickle charge ammeter  
Engine coolant heater controls  
Volt free contacts for:  
Common Alarm  
Genset running

### ▶ Audible alarm

Lockdown emergency stop button with security key  
Volts adjust potentiometer  
Speed adjust potentiometer

Note: All options are not available on all genset models

### ▶ Spare shutdown/alarm channel can include:

Earth leakage protection  
Low fuel level  
Low coolant level  
High lube oil temperature  
Low coolant temperature  
High fuel level  
Overload via alarm switch  
Earth fault protection

From your local dealer

