

# PowerWizard

## Digital Control Panels

### PowerWizard – Providing safe control of your generator set

The FG Wilson PowerWizard range of digital control panels, combine straightforward menu navigation with advanced metering and protection technology. They are used in automatic mains failure applications in conjunction with transfer panels.

Our PowerWizard range allows you to monitor and control your generator set with ease, whilst ensuring your unit operates within safe parameters and provides important diagnostic information when needed.

## PowerWizard 1.1, 1.1+ and 2.1



**PowerWizard 1.1 is standard on 6.8 - 22kVA**

**CAL enclosed and 100 - 275 kVA range**

**PowerWizard 1.1+ is standard on**

### Benefits

- Robust electronics package for industry leading reliability
- Single menu layout for ease of navigation and monitoring with shortcut keys for immediate access to engine or AC metering
- 10.5-32V DC providing a single module to cover the whole FG Wilson generator set range
- Comprehensive range of standard features and options to ensure the most appropriate configuration for your needs
- Serviced using standard EST

### Features

- True RMS Voltage Sensing
- CAN 1 Data Link for communication to electronic engines, CAN 2 (2.1 only) Accessory Data Link for additional modules
- 40 unique events log configuration including first, last and number of occurrences and real time clock
- Engine and AC Monitoring
- Two display languages (Customer Language & Technician Language)
- Up to 5 spare fault channels
- Configurable sender input
- Dedicated Key to reset all faults and main menu short cut key
- Run/Auto/Stop keys with LED indicators
- Integrated metering and controls reducing components and wiring, aiding reliability and ease of service
- Generator set voltage and over/under frequency protection (1.1+ and 2.1 only)
- MODBUS connection to building management system via RS485 (2.1 only)

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## Remote Monitoring Options

### Remote Monitoring

The PowerWizard Annunciator is a 16-channel display unit for remotely monitoring the status of FG Wilson generator sets at a distance of up to 240 metres. The Annunciator communicates via the CAN 2 data link which comes as standard on generator sets fitted with PowerWizard 2.0 or 2.1 Control Panels.

Each of the 16 channels on the Annunciator has two LEDs to display status and alarm signals directly from the PowerWizard 2.0 or 2.1 Control Panel on the generator set.

The pre-set channels linked to each LED display can be individually configured using the Electronic Service Tool (EST). This allows Operators to monitor different generator set status and alarm signals to suit site-specific requirements.

In addition to the LED display, the Annunciator includes an audible alarm, an alarm acknowledge pushbutton and a lamp test pushbutton.

PW Panel	Option Codes	Annunciator Dimensions		
		A mm (in)	B mm (in)	C mm (in)
PW 2.0	MCM 9	158 (6.22)	130 (5.12)	288 (11.34)
PW 2.1	ANN16	158 (6.22)	130 (5.12)	288 (11.34)

