DSE**WebNet**® Gateway

COMMUNICATIONS INTERFACE

The DSE**WebNet Gateway** is used in conjunction with supported DSE controllers to provide monitoring and communications data via the DSE**WebNet**® advanced communications system.

The DSE**WebNet Gateway** communicates to a maximum of five connected DSE controller(s), monitoring the instrumentation and operating state. When this data changes, the new data is logged in the internal memory. At regular intervals the logged data is transmitted to the DSE hosted server.

The DSE hosted server is then integrated into the DSE**WebNet**® which can be accessed via an internet connected device and web browser to allow remote monitoring and control of multiple DSE controllers worldwide. GSM, GPS and combined GSM & GPS antenna's are available as accessories.

DSE**890**
DSE**WebNet**®**Gateway** - 3G (GSM) & Ethernet

The Gateway connects to the DSE data server by integral Ethernet connection or GPRS (GSM or 3G mobile internet) and includes GPS (satellite location) functionality. This is most suited to remote and/or mobile locations.

DSE**891**
DSE**WebNet**®**Gateway** - Ethernet Only

The Gateway connects to the DSE data server by an integral Ethernet connection only. This is most suited for fixed installations where an ADSL or DSL cable broadband service is available (external broadband modem required, not supplied by DSE).

CE

SPECIFICATION

DC SUPPLY

CONTINUOUS VOLTAGE RATING
8 V to 35 V continuous

CRANKING DROPOUTS
Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries

MAXIMUM OPERATING CURRENT

GSM	700 mA at 12 V
	450 mA at 24 V
GSM & GPS	700 mA at 12 V
	450 mA at 24 V
Ethernet	200 mA at 12 V
	110 mA at 24 V
Ethernet & GPS	700 mA at 12 V
	450 mA at 24 V

MAXIMUM STANDBY CURRENT

GSM	270 mA at 12 V
	150 mA at 24 V
GSM & GPS	270 mA at 12 V
	150 mA at 24 V
Ethernet	150 mA at 12 V
	90 mA at 24 V
Ethernet & GPS	270 mA at 12 V
	150 mA at 24 V

COMMUNICATIONS
USB (Single DSE Controller)
RS232 (Single DSE Controller)
RS485 (Multiple DSE Controllers)
Ethernet (Multiple DSE Controllers)

DIMENSIONS
85 mm x 149 mm x 51 mm

ENVIRONMENTAL TESTING STANDARDS

ELECTRO-MAGNETIC COMPATIBILITY
BS EN 61000-6-2
EMC Generic Immunity Standard for the Industrial Environment
BS EN 61000-6-4
EMC Generic Emission Standard for the Industrial Environment

ELECTRICAL SAFETY
BS EN 60950
Safety of Information Technology Equipment, including Electrical Business Equipment

TEMPERATURE
BS EN 60068-2-1
Ab/Ae Cold Test -30 ℃
BS EN 60068-2-2
Bb/Be Dry Heat +70 ℃

VIBRATION
BS EN 60068-2-6
Ten sweeps in each of three major axes
5 Hz to 8 Hz at +/-7.5 mm,
8 Hz to 500 Hz at 2 gn

HUMIDITY
BS EN 60068-2-30
Db Damp Heat Cyclic 20/55 ℃
at 95% RH 48 Hours
BS EN 60068-2-78
Cab Damp Heat Static 40 ℃
at 93% RH 48 Hours

SHOCK
BS EN 60068-2-27
Three shocks in each of three major axes
15 gn in 11 mS

RELATED MATERIALS

TITLE	PART NO'S
DSE**Gateway** DSE890 & DSE891 Installation Instructions	053-140
DSE**Gateway** DSE890 & DSE891 Hardware Manual	057-165
DSE**Webnet** Data Sheet	055-192
DSE**Webnet** PC Internet Browser Software Manual	057-168
DSE**Webnet** Smart Device Software Manual	057-235

ACCESSORIES

PART	PART NO'S
GSM Antenna	020-141
GPS Antenna	020-130
Combined GSM & GPS Antenna	020-150

COMPATIBLE DSE CONTROLLERS INCLUDE:

AUTO START MODULES

DSE4310	DSE7110
DSE4410	DSE7110 MKII
DSE4510	DSE7210
DSE4610	DSE7310
DSE6010	DSE7410
DSE6010 MKII	DSE8610
DSE6110	DSE8710
DSE6610	DSE8810

ATS MODULES

DSE333	DSE8660
DSE334	DSE8760
DSE335	DSE8860

AUTO MAINS FAILURE MODULES

DSE4320	DSE6620
DSE4420	DSE7120
DSE4520	DSE7120 MKII
DSE4620	DSE7220
DSE6020	DSE7320
DSE6020 MKII	DSE7420
DSE6120	DSE8620

LIGHTING TOWER MODULES
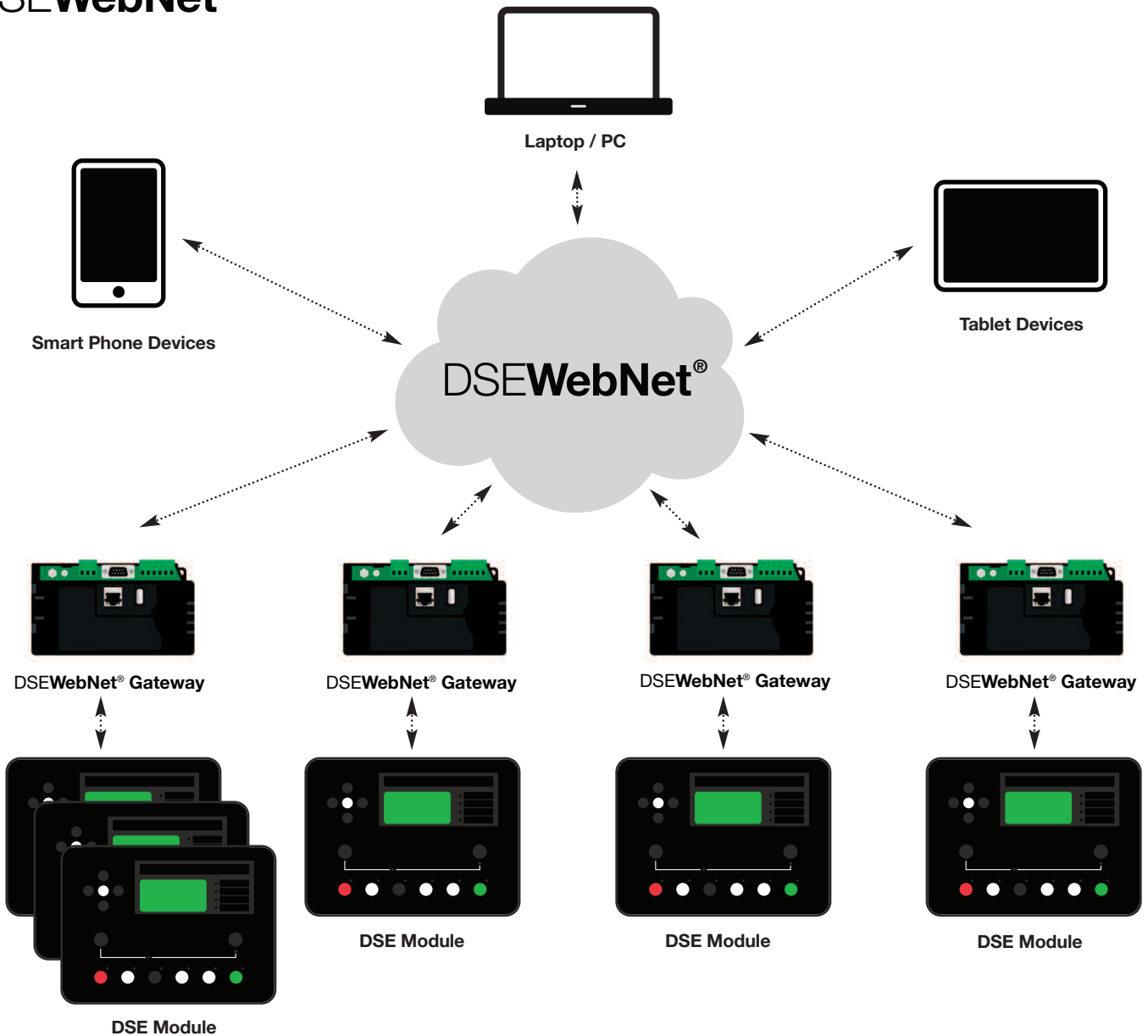
DSEL400	
DSEL401	

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DSE**WebNet**®

Laptop / PC

Smart Phone Devices

DSE**WebNet**®

Tablet Devices

DSE**WebNet**® Gateway

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DSE Module

DSE Module

DSE Module

DSE Module

DSE**WebNet**® IS THE IDEAL SOLUTION FOR EFFICIENT GENSET MAINTENANCE, FLEET MANAGEMENT, ASSET TRACKING, REMOTE/PERIODIC GENSET TESTING, FUEL MANAGEMENT, FAULT ANALYSIS & MUCH MORE.

The DSE**WebNet**® system offers features including mapping with real-time location, instrumentation and control, event log tables and automatic system alerts which can be sent to multiple DSE**WebNet**® users via email and SMS.

Comprehensive on-screen information is presented in clear, graphical and numerical formats which are easy to navigate and operate.

DSE**WebNet**® can be utilised to maximise system up-time by offering the most effective remote management tool.

The DSE**WebNet**® **Gateway** device provides the user with full and instant access to the DSE**WebNet**® system. A single Gateway device can be connected to a maximum of five supported DSE controllers. This creates a vast and extensively featured remote control and monitoring solution.

An unlimited number of DSE**WebNet**® users can access a single Gateway device. Additionally a single user can access up to fifty Gateway devices.

To gain access to either the Gateway device or DSE**WebNet**®, secure login information is required. This low cost solution makes the system a secure and effective remote control and monitoring solution for multiple users and sites.