DSEGenset

DSE

DSE123
ANALOGUE LOAD SHARE LINES INTERFACE

KEY FEATURES
- Power On/Status LED
- Plug & socked connection for quick and easy set-up
- Simple configuration via multiple position switches
- Converts a single DSE5510, DSE7510 or DSE8610's MSC link to analogue load share lines.
- Compatible with Barber Colman, Deif, Delco and Woodward products that support analogue load share lines.

KEY BENEFITS
- Expand existing systems with DSE modules without replacing existing control
- kW & kV Ar loadsharing between DSE & other manufacturers products.

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. LEDs and backlight will not be maintained during cranking.

MAXIMUM OPERATING CURRENT
150 mA at 12 V, 80 mA at 24 V

MAXIMUM STANDBY CURRENT
150 mA at 12 V, 80 mA at 24 V

DIMENSIONS

OVERALL
161 mm x 78 mm x 76 mm
6.3" x 3.1" x 3.0"

MOUNTING
DIN Rail

OPERATING TEMPERATURE RANGE
-30°C to +70°C

STORAGE TEMPERATURE RANGE
-40°C to +80°C

RELATED MATERIALS

TITLE	PART NO'S
DSE5510 Data Sheet	055-039
DSE5510 Operators Manual	057-015
DSE7510 Data Sheet	055-065
DSE7510 Operators Manual	057-088
DSE8610 Data Sheet	055-083
DSE8610 Operators Manual	057-115

DEEP SEA ELECTRONICS PLC UK
Highfield House, Hunmanby Industrial Estate, Hunmanby YO14 0PH
TELEPHONE +44 (0) 1723 890099 **FACSIMILE** +44 (0) 1723 893303
EMAIL sales@deepseaplc.com **WEBSITE** www.deepseaplc.com

DEEP SEA ELECTRONICS INC USA
3230 Williams Avenue, Rockford, IL 61101-2668 USA
TELEPHONE +1 (815) 316 8706 **FACSIMILE** +1 (815) 316 8708
EMAIL sales@deepseausa.com **WEBSITE** www.deepseausa.com

Registered in England & Wales No.01319649
VAT No.316923457

055-044/02/13 (4)

DSEGenset

DSE

DSE123
ANALOGUE LOAD SHARE LINES INTERFACE

The DSE123 converts the digital loadshare link between DSE products to the univeral analogue load share lines. This process allows synchronising of control modules of a diferent manufacturer to share kW and kV Ar with the DSE5510, DSE7510 or DSE 8610.

By interfacing with manufacturers products, esxpanding an existing system can be acomplished with ease when utilising DSE synchronising and loadsharing products.

When DC power is applied to the DSE123, a status LED will illuminate. If the DSE123 cannot communicate with the DSE5510, DSE7510 or DSE8610, the LED will flash to indicate a communication malfunction.

CONFIGURATION
The table shows how the DSE123 interface needs to be configured depending on the existing load share system.

TYPE	DSE123 SWITCH POSITION					
	kW SHARE SETTINGS			V Ar SHARE SETTINGS		
	A	B	C	D	E	F
BARBER COLMAN	6	4	2	0	1	1
DEIF*	0	1	8	0	1	8
SELCO	2	2	8	0	1	1
WOODWARD	6	8	1	0	1	1

ENVIRONMENTAL TESTING STANDARDS

ELECTRO MAGNETIC COMPATIBILITY
BS EN 61000-6-2
EMC Generic Emission 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

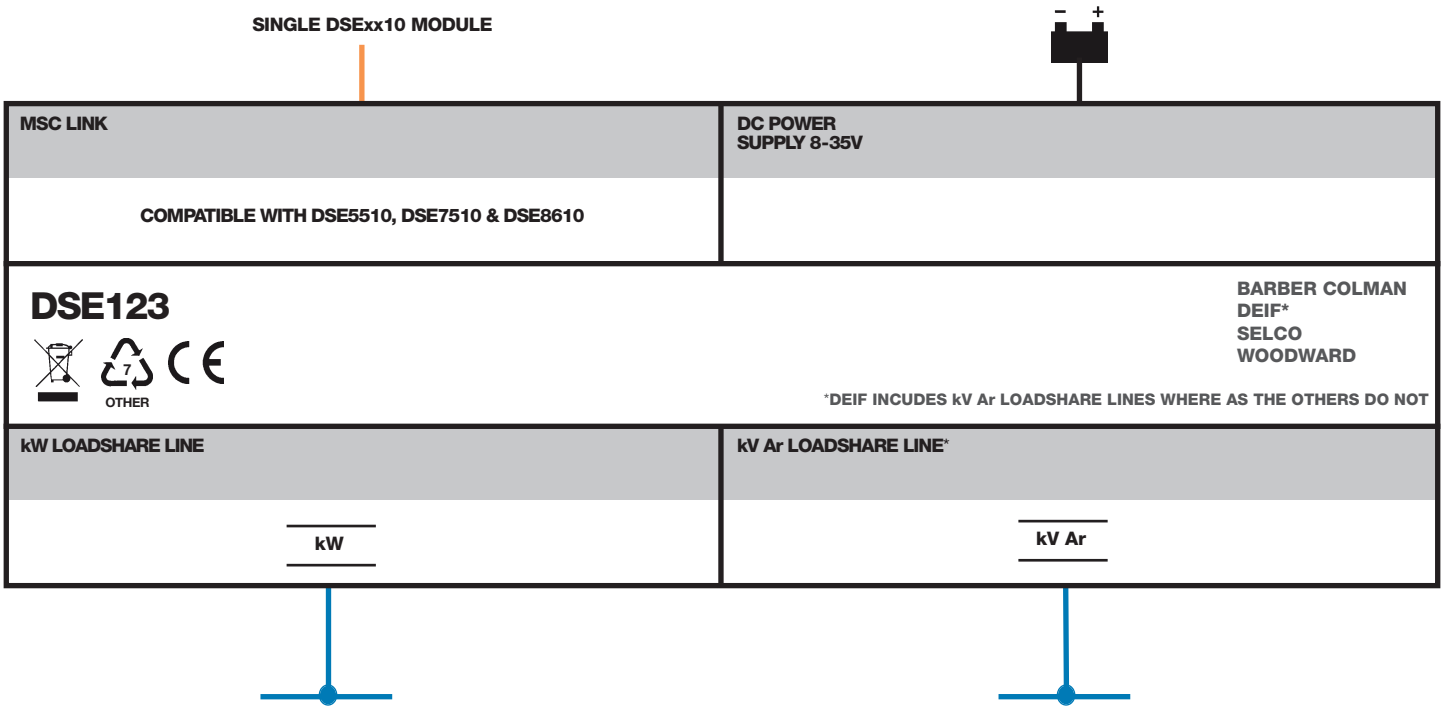
TEMPERATURE
BS EN 60068-2-2
Test Ab to +70oC 60067-2-2 Hot
Test Ab to -30oC 60068-2-1 Cold

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

HUMIDITY
BS 2011 part 2.1 60068-2-30
Test Cb Ob Cyclic
93% RH @ 40oC for 48 hours

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

COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF GEN-SET APPLICATIONS



ISSUE 1