![DSE Genset logo]

DSE**701/02**
MANUAL AND AUTO START CONTROL MODULES

DSE ®

FEATURES

The DSE701 is available in Manual and Auto Start versions, offering an excellent range of engine monitoring and protection features. The module offers inputs to monitor low oil pressure, high engine temperature and overspeed and the manual start version also has a user-defined auxiliary input. Auto Start versions also include an input option for a start signal from a remote location.

When the module detects any of the above faults it will automatically shut down the engine.

The module also has the capability to monitor battery charging by utilising the WL terminal on the charge alternator. On detecting a battery charging fault, it will light the warning LED on the front panel.

The DSE702 is available in Manual and Auto Start versions which include all the features of the DSE701 plus a tamper-proof engine hours counter.

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

REMOTE START ON AUTO START/AUX INPUT ON MANUAL START	PRE-HEAT OUTPUT	LOP SWITCH	TEMP SWITCH		DC POWER SUPPLY 8-35V

DSE701/702

GENERATOR VOLTS	CHARGE FAIL	FUEL & CRANK OUTPUTS			
1ph	D + W/L				

ISSUE 4

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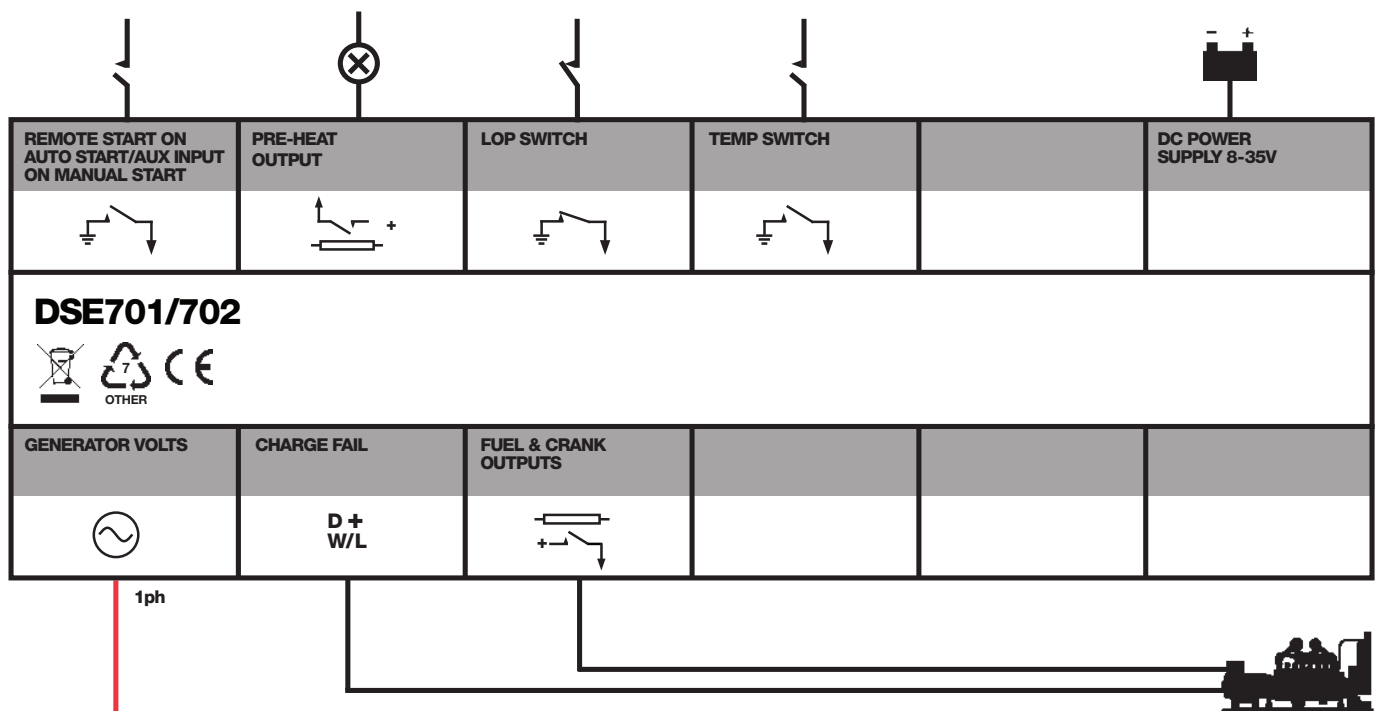
DSE**701/02**
MANUAL AND AUTO START CONTROL MODULES

FEATURES

DSE**702**

DSE**701**

KEY FEATURES
- Manual start and remote start versions
- Remote start input (auto start version only)
- Auxiliary shutdown input (Manual start version only)
- Engine monitoring and protection
- LED indication
- Engine pre-heat
- Tamper proof engine hours (DSE702 versions only)
- Front panel mounting

KEY BENEFITS
- Hours counter provides accurate information for monitoring maintenance and warranty periods (DSE702 variants only)
- Multiple engine parameters are monitored simultaneously

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.

OUTPUTS
START
Solid state 1.2 A negative grounding terminal

RUN
Solid state 1.2 A negative grounding terminal

PRE-HEAT
Solid state 1.2 A negative grounding terminal

GENERATOR
VOLTAGE RANGE
15 V - 333 V AC (L-N)

FREQUENCY RANGE
3.5 Hz to 75 Hz

DIMENSIONS
DSE701 OVERALL
72 mm x 72 mm x 38 mm
2.8" x 2.8" x 1.5"
Excludes key switch

DSE701 PANEL CUT-OUT
68 mm x 68 mm
2.7" x 2.7"

DSE702 OVERALL
84 mm x 72 mm x 34.9 mm
3.3" x 2.8" x 1.4"
Excludes key switch

DSE702 PANEL CUT-OUT
80 mm x 68 mm
3.1" x 2.7"

MAXIMUM PANEL THICKNESS
8 mm
0.3"

RELATED MATERIALS
TITLE	PART NO'S
DSE701/2 Installation Instructions	053-003
DSE701/2 Operator Manual	057-041

DEEP SEA ELECTRONICS PLC UK

DEEP SEA ELECTRONICS INC USA

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