DSE701 MKII
MANUAL AND AUTO START CONTROL MODULE

FEATURES

The DSE701 MKII controller can be user-configured for Auto or Manual Start operation using the DSE Configuration Suite Lite PC Software. Alternatively the controller can be ordered pre-configured. The DSE701 MKII offers 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 Auto Start version can be user-configured for Manual Start operation and the Manual Start version can be user-configured for Auto Start operation.

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 °C
BS EN 60068-2-2
Bb/Be Dry Heat +70 °C

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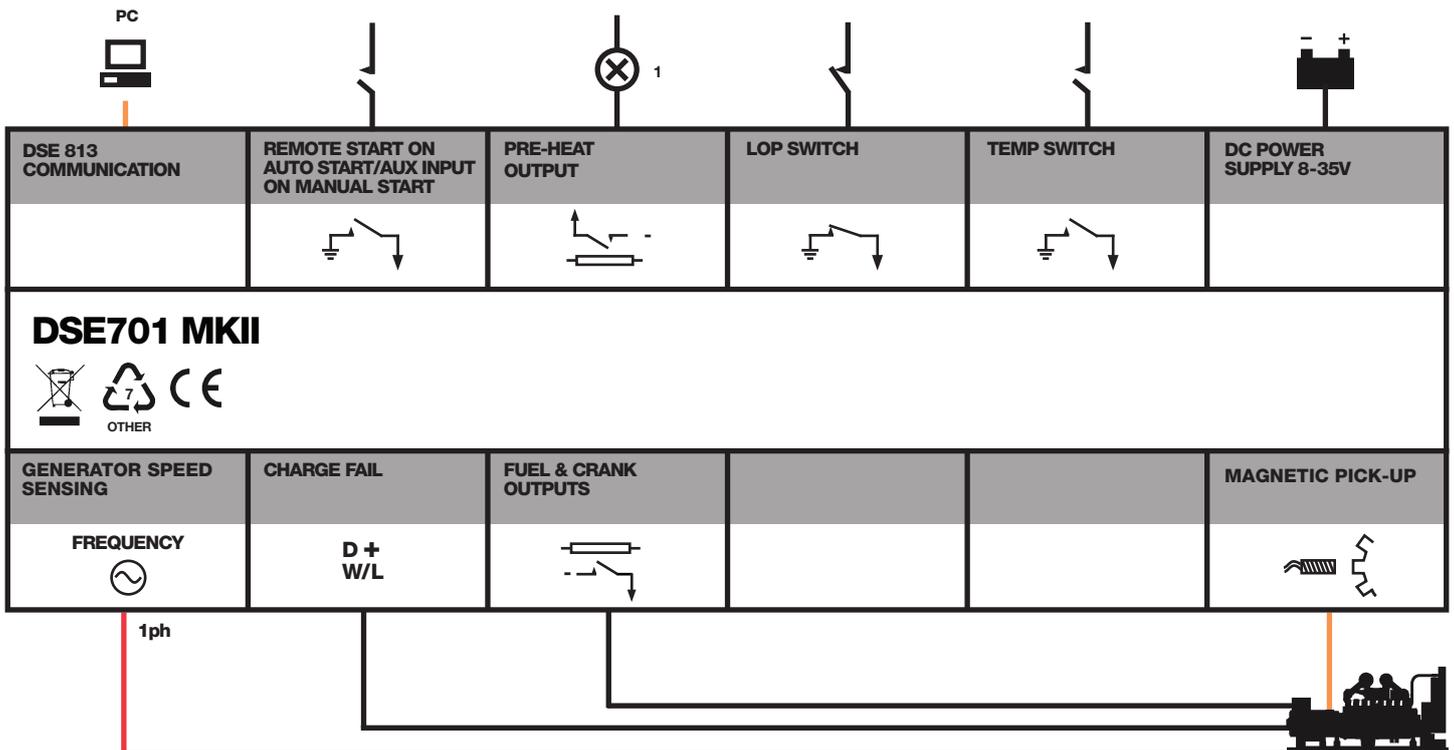5 Hz to 8 Hz @ +/-7.5 mm,
8 Hz to 500 Hz @ 2 gn

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

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

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

DSE 813 COMMUNICATION	REMOTE START ON AUTO START/AUX INPUT ON MANUAL START	PRE-HEAT OUTPUT	LOP SWITCH	TEMP SWITCH	DC POWER SUPPLY 8-35V

DSE701 MKII

GENERATOR SPEED SENSING	CHARGE FAIL	FUEL & CRANK OUTPUTS			MAGNETIC PICK-UP
FREQUENCY	D+ W/L				

1ph

ISSUE 1

DSE**701 MKII**
MANUAL AND AUTO START CONTROL MODULE

FEATURES

KEY FEATURES
- Configurable Auto and Manual Start versions
- Remote start input available (when in Auto Start mode)
- Auxiliary shutdown input available (when in Manual Start mode)
- Engine monitoring and protection
- LED status indication
- Automatic engine pre-heat
- Overspeed protection
- Front panel mounting

KEY BENEFITS
- The DSE701 MKII comes pre-configured for frequency (speed fensing) but can be user-configured for magnetic pick-up
- Uses DSE 813 USB Communications Adaptor and DSE Configuration Suite Lite PC Software for simple configuration
- Licence-free PC Software
- User-friendly setup and fascia layout

RELATED MATERIALS

TITLE	PART NO'S
DSE701 MKII Installation Instructions	053-132
DSE701 MKII Operator Manual	057-144
DSE701 MKII Software Manual	057-145
DSE813 USB Communications Adaptor Data Sheet	055-100