

# DSE7570

## REMOTE SYNC LOCK CONTROLLER

### FEATURES



The DSE7570 Sync Lock Controller has been designed for manual connection and disconnection from the mains/utility supply.

The Sync Lock Controller provides a user-friendly zero-sync/phase locking solution, that is easily integrated with generators controlled by the DSE7510 Load Share module. With forward and backward synchronising with the mains/utility supply, the DSE7570 is ideal for temporary generator installations.

Where access is restricted, the DSE Sync Lock Interface is used to provide up to a maximum distance of 200 m between the DSE7570 Sync Lock Controller and the DSE7510 Load Share module.

### 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

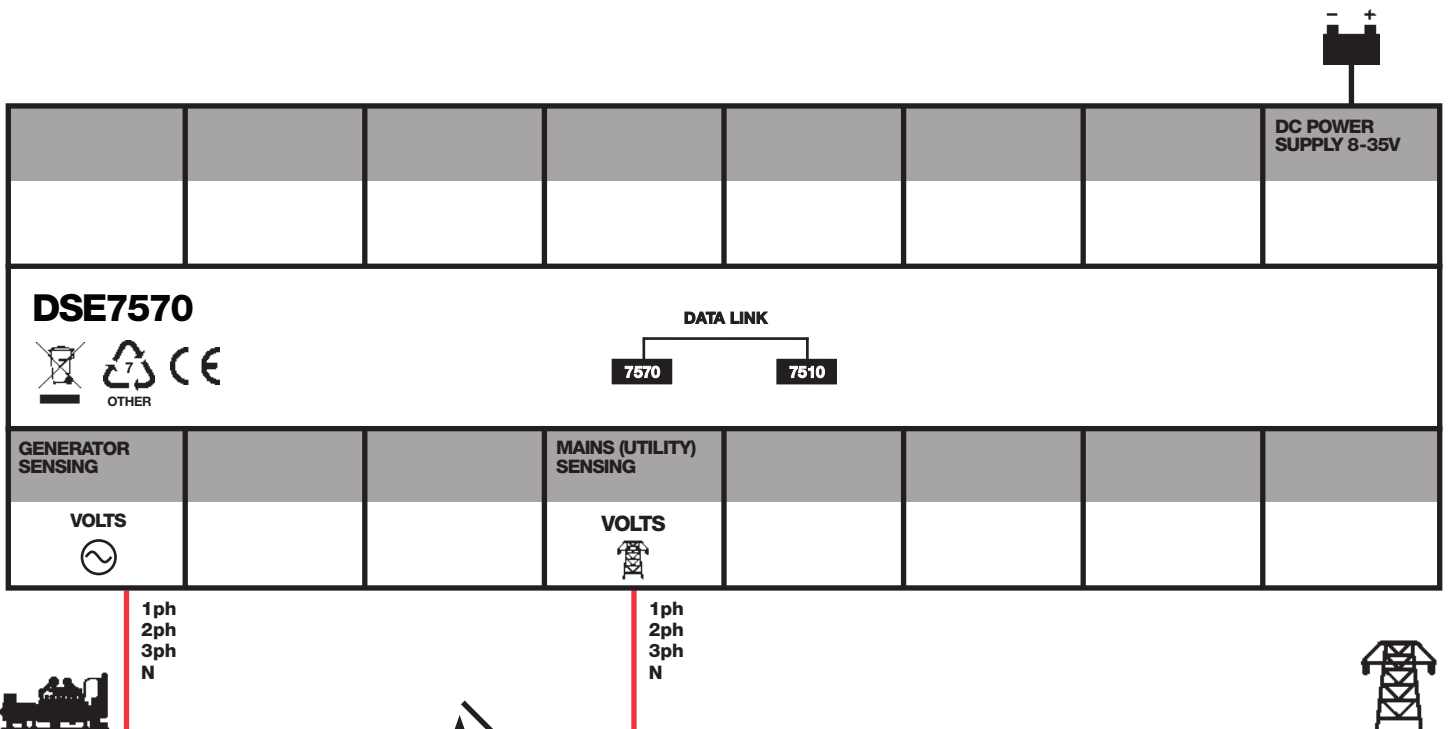
#### SHOCK

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

#### DEGREES OF PROTECTION PROVIDED BY ENCLOSURES

BS EN 60529  
IP67 - When case is closed.

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



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## SYNC LOCK CONTROLLER

### FEATURES



### SPECIFICATION

#### DC SUPPLY

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

**MAXIMUM STANDBY CURRENT**  
50 mA at 12 V, 30 mA at 24 V

#### MAINS (UTILITY)

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

**FREQUENCY RANGE**  
3.5 Hz to 75 Hz

#### GENERATOR

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

**FREQUENCY RANGE**  
3.5 Hz to 75 Hz

#### DIMENSIONS

**SYNC LOCK CASE**  
406 mm x 330 mm x 174 mm  
(16.0" x 13.0" x 6.9")

**INTERFACE BOX**  
122 mm x 120 mm x 55 mm  
(4.8" x 4.7" x 2.2")

**SYNC LOCK INTERFACE EXTENSION CABLE (NOT AVAILABLE FROM DSE)**  
3 pair twisted individually screened cable  
Maximum 200 m (666 ft)

### KEY BENEFITS

- No-break removal and return of mains/utility fuses
- Provides a user-friendly zero-sync/phase locking solution, ideal for temporary generator installations, including forward and backward synchronising with the mains/utility
- Interface provides application flexibility where access is limited

### TYPICAL APPLICATIONS

- Generator hire
- Local sub-station maintenance, service and repairs
- Emergency power provision
- Temporary power solutions

### RELATED MATERIALS

#### TITLE

DSE7570 Installation Instructions  
DSE7570 Operator Manual  
DSE7510 Data Sheet

#### PART NO'S

053-083  
057-132  
055-065

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