

# DSE327

## AUTO TRANSFER SWITCH CONTROL MODULE



### KEY FEATURES

- LED indicators.
- Two precision time adjustable potentiometers.
- Source 1/Source 2 control.
- Configurable timers.
- Automatic switch-over between supplies.
- DIN rail mounting.

### KEY BENEFITS

- Source 1/Source 2 control provides total flexibility for the application of the product.
- Fully automatic switch-over control minimises the effects caused by power disruptions.
- User friendly set-up.

### SPECIFICATIONS

#### MAXIMUM OPERATING/STANDBY CURRENT

##### 230 V (0327-01):

Typical @ 230 V, 50 Hz

##### S1

I RMS = 75 mA, Power = 0.9 W

##### S2

I RMS = 50 mA, Power = 0.6 W

##### 110 V (0327-02):

Typical @ 110 V, 50 Hz

##### S1

I RMS = 70 mA, Power = 0.8 W

##### S2

I RMS = 50 mA, Power = 0.5 W

#### VOLT FREE OUTPUTS

##### START/RUN N/C

5 A, 250 V AC

##### LOADING OUTPUT x2

5 A, 250 V AC

#### S1 & S2

##### 110 V (0327-02):

**VOLTAGE RANGE**

**110 V - 50Hz to 70 Hz**  
85V to 150 V AC (L-N)

##### 230 V (0327-01)

**VOLTAGE RANGE**

**230 V - 40Hz to 60 Hz**  
180 V to 300 V AC (L-N)

#### DIMENSIONS

##### OVERALL

72mm x 90.5 mm x 65 mm  
2.8" x 3.6" x 2.6"

#### WEIGHT

0.3 kg

#### OPERATING TEMPERATURE RANGE

-30°C to +70°C

#### STORAGE TEMPERATURE RANGE

-40°C to +80°C

### RELATED MATERIALS

#### TITLE

DSE327 Installation Instructions  
DSE327 Operators Manual

#### PART NO.

053-237  
057-286

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# DSE327

## AUTO TRANSFER SWITCH CONTROL MODULE

The DSE327 is an Automatic Transfer Switch Control Module designed to monitor the voltage of an incoming AC supply from two different sources. This could be from both generator or mains (utility), or a combination of both. The module monitors S1 (Source 1) and in the event of a failure issues a start command to S2 (Source 2).

Once S2 is available and producing an output within limits, the module controls the transfer device and switches the load from S1 to S2. Once the S1 supply returns to within limits, the module commands a load return to S1 and shuts down S2.

Various timing sequences are available to prevent nuisance starting on minor supply breaks.

### 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 ATS APPLICATIONS

