FC1K SERIES
AC / AC Frequency Converter: 1000 VA

Features
- 115 or 230VAC output option
- 1000VA output power
- Frequency options 50Hz / 60Hz / 400Hz
- Sinusoidal output waveform
- Filtered input
- Rugged design for harsh environments
- Full electronic protection

Description
The FC1K AC/AC frequency converter system uses field proven microprocessor controlled high frequency PWM technology to generate the required output power with pure sine wave output voltage.
It is a mature design with a track record in numerous applications. The frequency converter is built with internal power modules.
The AC/DC input stage boosts the input voltage to a higher DC voltage, which feeds the DC/AC inverter to generate the required AC output. A built-in fan provides sufficient airflow for operation without de-rating to the specified temperature.
The high frequency conversion enables a compact construction, low weight and high efficiency.
The unit has full electronic protection. The input and output are filtered for low noise. The use of components with established reliability results in high MTBF.

Options (may not be available on all combinations)

Alarms
Output Fail Alarm: voltage free relay contacts

Remote Inhibit
Remote ON / OFF

Ruggedized
Conformal coating and Ruggedization for use in harsh environments.

Slow Start
Slow start up option for powering fans

Connector
A variety of terminals / connectors available to suit special customer requirements

Model No Example:
FC500-EA = (230V 50Hz / 115V / 60Hz )

<table>
<thead>
<tr>
<th>FC</th>
<th>Power</th>
<th>Input AC</th>
<th>Output AC</th>
<th>Factory Allocated</th>
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</thead>
<tbody>
<tr>
<td>1K</td>
<td>115V 60Hz</td>
<td>230V 50Hz</td>
<td>115V 60Hz</td>
<td>115V 400Hz</td>
</tr>
<tr>
<td>1K</td>
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<td>230V 50Hz</td>
<td>115V 400Hz</td>
<td>115V 400Hz</td>
</tr>
</tbody>
</table>

1. Standard input / Output combinations are illustrated.
2. Non standard combinations are available on request
3. Final Part no will be allocated at time of order to reflect customer specifications and options.

REV 18-08-11
Mounting brackets can be installed along short or long sides - 4 mounting brackets with fasteners are provided with the unit.

Input / Output termination may vary, it depends on application.

* M5 Threaded inserts for mounting brackets or for other mounting options. Maximum screw penetration is 10mm from outside surface of chassis.

DIMENSIONS ARE IN MILLIMETERS (INCHES) TOLERANCES ON DECIMALS: XXX ± 0.2mm XX ± 0.3mm ANGLES: ± 2° FRACTIONS: ± 0.4mm UNLESS OTHERWISE STATED.