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Digital Solid-State Phase Converter

When voltage balance is critical

24/7 TECH SUPPORT
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GENTEC American Rotary's *Phase Perfect*® Digital Phase Converters provide balanced three phase output in any load condition. Our solid state digital phase converter is perfect for equipment where voltage balance is critical even under the most demanding overload situations. No other phase converter offers the precise voltage regulation of all three lines with varying loads from no load to full load. Manufactured by Phase Technologies, this truly is the ultimate phase converter! [Sizes and Prices >](#)



FEATURES:

- Precisely balanced voltage under all load conditions
- Pure sine wave output voltage with 120 degree phase separation.
- Power factor is better than 0.99
- 97% efficiency
- Protects itself and your equipment
- Built-in motor starter option
- Remote Start
- Simple to configure and install
- Input and Output filters
- Made In USA



Rotary Phase Converters:

For applications where constant voltage balance and/or 100% of the rated hp is required. [Learn More >](#)



Transformers:

American Rotary offers the largest online selection of transformers! [Learn More >](#)

\$49 Flat Rate Shipping on all Sizes*

Phase Converter	Buy-It-Now Base Model	3-R Enclosure	Motor Starter	777 Motor Starter	Notes:
DPC-A10	\$2655	Add \$116	Add \$239	Add \$580	Prices reflect 10% off of list price.
DPC-20	\$4163	Add \$164	Add \$340	Add \$626	All sizes ship for \$49 flat rate!*
DPC-30	\$5940	Add \$194	Add \$424	Add \$652	Call 1-888-7GENTEC to order.

*to the lower 48 states

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DETAILED FEATURE LIST:

Precisely balanced voltage under all load conditions:

A digital closed loop feedback system controlled by a DSP or digital signal processor provides live time regulation of voltages. Voltages are typically maintained to within +/- 1% of the incoming single phase line. This is up to 5 times better than the utility companies are required to maintain. [Back to top >](#)

Do you know....

GENTEC American Rotary manufactures and distributes the largest selection of phase converters in the world!

Pure sine wave output voltage with 120 degree phase separation:

Expand to a Rotary:

As with static and rotary phase converters, the two single phase lines pass straight through the digital phase converter. These lines are unaltered and maintain a pure sinewave. The 120 degree separation of the phases is created and maintained digitally using the DSP. [Back to top >](#)

Power factor is better than 0.99:

This minimizes the current draw on the single phase line. This in turn maximizes the efficiency of the converter and keeps power loss and waste to a minimum. [Back to top >](#)

97% efficiency:

Using semiconductors and an IGBT switch, the loss in power is minimized resulting in better than 97% efficiency at any load. [Back to top >](#)

Protects itself and your equipment:

All models monitor the incoming current and will shut down if overloaded for more than a predetermined time period. Each model also comes with an output contactor for switching on the load after a warm-up period. This output contactor can be configured with a current overload to provide an overload motor starter for protecting the load. These features protect the operated equipment from under-voltage, over-voltage, and single phasing. [Back to top >](#)

Built-in motor starter option:

With the addition of a current overload, the output contactor can be used as a full current motor starter. The digital phase converter can then be used as a whole as a motor starter. After the unit is turned on, there is a warm-up period, and then the motor starter is activated, which can start the load. This feature is commonly used in deep well pumps and other simple systems that require a starter. [Back to top >](#)

Remote Start:

Every digital phase converter can be configured to use a remote start. This can be particularly convenient in offsite applications. [Back to top >](#)

Simple to configure and install:

Comes with a clear step-by-step installation guide only available through GENTEC American Rotary. [Back to top >](#)

Input and Output filters:

Input and output filters smooth the PWM wave form. This eliminates the harmonics which cause interference with other equipment and TVs that operate on the same single phase service. Unlike a drive, the 120 degree phase shift and reduction of distortion or harmonics contribute to the near perfect power factor of 1. [Back to top >](#)

Made In USA:

By simply adding an idler motor, you can upgrade your static converter to a powerful rotary converter!

Sizing Assistance:

Our experienced staff is available 24/7 to answer your questions.

Have a Question?

TOLL FREE
24/7 TECH
SUPPORT
1-888-743-6832

Manufactured by Phase Technologies and distributed by GENTEC LLC, American Rotary's digital solid state phase converters were designed and are manufactured in the USA. [Back to top >](#)

GENERAL INFORMATION ABOUT DIGITAL (or Solid-State) PHASE CONVERTERS:

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> Digital Solid State

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