

NEW . . .

A TEMPERATURE CONTROLLER BREAKTHROUGH!

Borg-Warner Thermoelectrics, the experts in solid state cooling, proudly introduces the new RTC-111 Robotic Temperature Controller, with voice announcement capability.

The information provided on the right explains important details about our new product.

For further technical information, return the attached mailer and mark the Solid State Temperature Controller's request box.

ThermoElectrics
the experts in solid state cooling



Borg-Warner Thermoelectrics • Borg-Warner Corporation
3570 N. Avondale Avenue, Chicago, Illinois 60618-5391
(312) 588-5120

AN ECONOMICAL, PROGRAMMED TEMPERATURE CONTROLLER

THAT SPEAKS
TO YOU



RTC-111

Temperature Controller

Borg-Warner Thermoelectrics' new RTC-111 Robotic Temperature Controller is a compact, economical means for controlling thermoelectric as well as other heating or cooling systems, with remote call-in capability.

The unit controls temperature versus time setting by means of a programmed, replaceable EPROM chip, providing you with time frame options ranging from seconds to months. Another chip controls a voice function and—with the unit plugged into your telephone system—provides verbal statements of the current set and run temperatures.

Use the RTC-111 to repeatedly cycle given temperatures, or to heat up and cool down at a given rate. The temperature chip is programmed to the exact requirements of your particular test or operation.

Borg-Warner Thermoelectrics manufactures a complete line of high quality temperature controllers, as well as solid state air conditioners and refrigerators.

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**THAT SPEAKS
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**OVER
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SMALL SPACE COOLING

AT 560 BTU/HR



**NO
COMPRESSOR
OR PIPING!**

AHP-1000 SOLID STATE AIR CONDITIONER

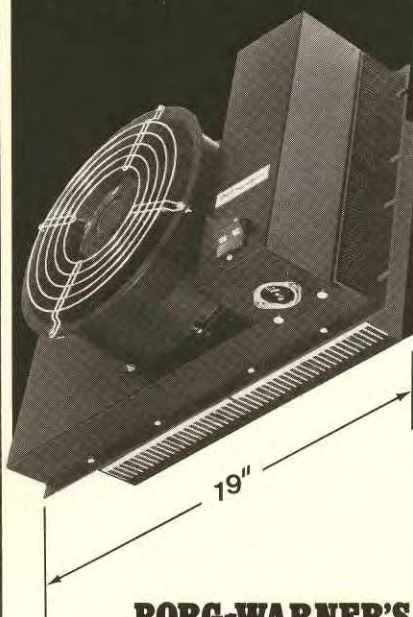
Solve the problems of traditional cooling methods with our line of solid state air conditioners and refrigerators. Enclosed in a cabinet just 15 inches long, the AHP-1000 provides powerful, reliable cooling, for computers, instrumentation, packaging of sensitive components, and more.

- 165 watts, 560 BTU/hr.
- No load cooling to -20°C (-5°F) from room temp.
- No compressor, refrigerant, or piping
- No moving parts except fans
- Quiet, low vibration
- Closed system protects from dust, metal chips, moisture
- Weighs just 26 pounds
- Operates in any position—horizontal, vertical, etc.
- Minimal maintenance
- Operates on 110 VAC

Borg-Warner Thermoelectrics
3570 N. Avondale Ave., Chicago, IL 60618
312/588-5120.



COMPACT, RELIABLE SOLID STATE AIR CONDITIONER



BORG-WARNER'S

AHP-1700 is designed and built for effective, dependable cooling in applications where size limitation is a problem. It contains no compressor, refrigerant, or piping; the highly reliable fans are its only moving parts.

- For computers, machine tools, electronics, instrumentation
- No load cooling to -5°C at room temperature; 1100 BTU/HR
- Closed system protects from dust, metal chips, moisture
- Operates in any position—horizontal, vertical, etc.
- Low vibration and noise; minimal maintenance
- Weighs less than 50 pounds; mounts on standard 19" rack
- Requires only 110 VAC, 6 amp power

Borg-Warner Thermoelectrics manufactures a complete line of high quality, solid state air conditioners, heat pumps and temperature controllers.

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3570 N. Avondale Ave. Chicago, IL 60618
312/588-5120.



SOLID STATE COOLING FOR HOT ENCLOSURES



AHP 3000 AIR CONDITIONER

Over 600 Watts Cooling

NEMA-12 application

- Most powerful solid state air conditioner available
- Uses only 10½" of panel height
- No compressor, piping or refrigerants
- No moving parts except fans
- Closed system protects from dust, chips, moisture
- Low vibration, noise, maintenance
- Enamel finish resists corrosion
- Operates in -30°C (-20°F) to +60°C (+140°F)
- Weighs under 100 lbs.
— fits in standard 19" cabinet rack
- Operates on 110 VAC

Borg-Warner Thermoelectrics manufactures a complete line of solid state air conditioners, refrigerators, and temperature controllers. Call or write with your special application.

Borg-Warner Thermoelectrics
3570 N. Avondale Ave., Chicago, IL 60618
312/588-5120.



3½ POUNDS OF SOLID STATE COOLING POWER!



CONTROLLING HEAT BUILD-UP IN SMALL SPACES IS NEVER A PROBLEM WHEN YOU CALL ON BORG-WARNER

Our AHP-150 refrigerator weighs just 3.5 pounds and measures 5" x 7" x 4½", yet provides a nominal rating of 33 watts and 110 BTU/hr.

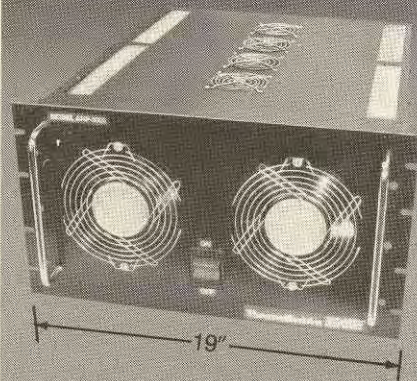
- No compressor, refrigerant or piping
- Cold plate cools by direct contact
- No moving parts except fan
- Operates in any position — horizontal, vertical, etc.
- Closed system protects from dust, metal chips, moisture
- Low vibration and noise; minimal maintenance
- Liquid cooled model, LHP-150, has nominal rating of 40 watts and 135 BTU/hr.

Borg-Warner Thermoelectrics manufactures a complete line of refrigerators, air conditioners, and temperature controllers. Call or write for help with your particular application.

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SOLID STATE COOLING FOR HOT ENCLOSURES



AHP 3000 AIR CONDITIONER

A **SOLID STATEMENT** ABOUT TEMPERATURE CONTROLS

*Close temperature control and high reliability
are provided by our TC-106 Controller.*



- COMPACT SIZE
- SILENT OUTPUT,
SOLID STATE RELAY
- TWO CONTROL
RANGES
- DIGITAL SET, READ
- HYSTERESIS
OPTIONS
- IMMEDIATE
DELIVERY

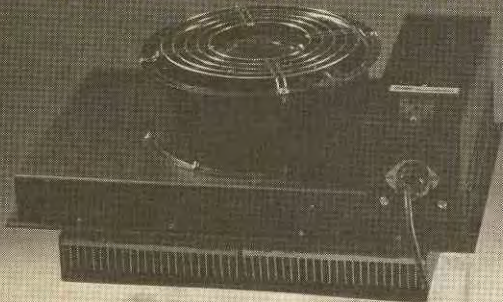
The TC-106 is compatible with low maintenance Borg-Warner solid state coolers and many other temperature control systems.

Call or write Borg-Warner Thermoelectrics, 3570 North Avondale Avenue, Chicago, Illinois 60618.

(312) 588-5120

BORG-WARNER®

The **COOL** TOOL For Industrial Heat Problems



Control your electronic equipment's excessive temperatures with our AHP-1700 solid state Air Conditioner. A unique refrigeration method that removes 1100 BTU/HR to cool computers, instrumentation and other electronics.

- Eliminates compressors, refrigerants and piping
- Total protection from dirt, grime and dust
- Utilizes highly reliable fans
- Operates in environments to 140°F
- Mounts on standard 19 inch cabinets
- Weighs under 50 lbs.
- Requires 115 VAC

Call or write Borg-Warner Thermoelectrics, 3570 North Avondale Avenue, Chicago, Illinois 60618

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May 1982

Circle Reader Service Card No. 75

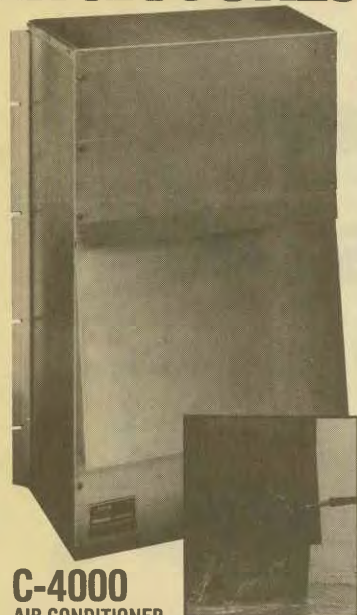
115



New Cooling Products...

Designed and Built for NEMA 12, 13 & 4X

SEALED AIR CONDITIONER FOR ALL ENCLOSURES



C-4000

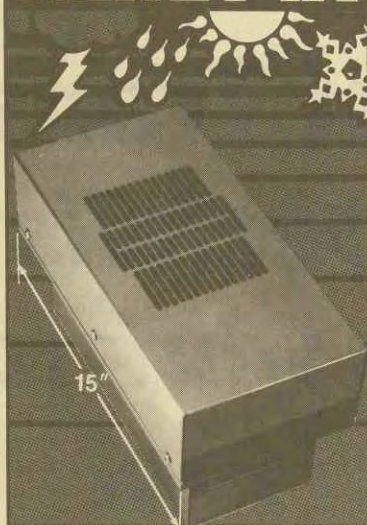
AIR CONDITIONER
• Rugged • Reliable
• Rust-Free

Completely sealed—
Easy to clean.

Stainless steel, corrosion-proof air conditioner for electrical enclosures can be sprayed clean. Operates indoors or outdoors under extreme temperatures. Prevents overheated enclosures by cooling to temperatures below ambient. Designed for hostile industrial environments, sanitary, food and chemical processing and electrical equipment. Ideal for NEMA-12 and 13. Closed system protection from dust, dirt and water. Maintains a clean air environment in the electrical enclosure. A perfect replacement, adaptable to all existing units.

- Weatherproof/Stainless Steel
- 4000 BTU/hr. Cooling
- Clogged Filter Warning Device
- Condensate Drain
- Washable Filter
- Rugged Rotary Compressor
- Lift Lugs
- Mounting Gasket Included
- 19" Rack Mount
- Requires only 115 VAC

AIR CONDITIONER INDUSTRIALLY HARDENED NEMA 4X



AHP-1200X

**SOLID STATE AIR CONDITIONER
PROVIDES TOTAL PROTECTION
FROM HEAT BUILD-UP IN
ELECTRONIC ENCLOSURES**

AHP-1200X is the most rugged fractional ton air conditioner for electronic enclosure cooling. Ideal in NEMA-4X environments. Withstands high temperature and humidity, harsh factory environments, shock and vibration. Weather resistant from corrosive salt, water and ice. Entirely sealed and gasketed. Anodized aluminum cabinet is lightweight and durable. Highly reliable fans are the only moving parts. The AHP-1200X thrives in temperatures of -20°F to $+175^{\circ}\text{F}$.

- Nominal heat removal 500 BTUH. (Enclosure air temperature equal to ambient)
- Requires only 115 VAC, 2.5 amp
- No fluorocarbons, compressor, or piping
- Compact—Only 15.0" x 7.4" x 8.0"
- No moving parts except fans (Military grade (MIL-901) fan on exterior side)
- Unloaded enclosure air cooling to 60°F below ambient
- Neoprene gasket included for pressurized seal

**Ask for our Free
Cooling Design Slide Rule**

COOLING PROTECTION FOR SMALL ENCLOSURES



AHP-301FF

Solid State Air Conditioner

**Dependable Cooling
To Prevent Overheating**

Built to provide powerful, reliable cooling for computers, instrumentation and sensitive electronic systems. Electronics will stay cool and clean, free from dust, dirt and moisture. Maintains efficient operating temperatures and clean air within the electronic enclosure.

- Requires 115 VAC or 230 VAC, 50/60Hz
- Nominal heat removal 200 BTUH.
- Compact - Only 10.0"x5.63"x8.47"
- No moving parts except highly reliable fans
- Mounting hardware included
- Gasket for dust tight seal included
- Operates in any orientation - horizontal, vertical, etc.



teca™

the experts in solid state cooling (312) 666-1600

ThermoElectric Cooling America Corporation

448 North Halsted Street • Chicago, Illinois 60622 • 312/666-1600 • FAX: 312/666-3964

All Products Made in U.S.A.