

INSTRUCTION SHEET

FC-4-IEC

THERMOSTATIC FAN CONTROLLER



WARNINGS:

- 1) To reduce the risk of electrical shock, disconnect power before servicing.
Switch does not disconnect power, disconnect source before removing cover.
- 2) To be used indoors in dry location only.
- 3) **IF BACK-UP POWER IS SUPPLIED BY A UPS:** A UPS with a "modified square wave" or other "simulated sine wave" output could potentially damage this device and or the fans it controls. A UPS with a "pure sine wave" output is required.

AVERTISSEMENT

- 1) Afin de réduire le risque de chocs électriques, veuillez débrancher du réseau avant la maintenance.
Le commutateur ne débranche pas du réseau, veuillez débrancher la source avant d'enlever le couvercle.
- 2) Uniquement pour l'utilisation dans des endroits secs.
- 3) **Si l'alimentation de secours est effectuée par une UPS:** Une UPS qui n'utilise pas un signal de sortie Sinus pur peut endommager ou détruire cet appareil ou les ventilateurs branchés. L'utilisation d'une UPS avec un signal de sortie Sinus pur est obligatoire.

DIE VERWARUNG

- 1) Zur Vermeidung des Risikos von Stromschlägen, das Gerät vor Wartungsarbeiten stromlos setzen.
Ausschalten nimmt die Spannung nicht weg. Deshalb vor dem Öffnen des Gehäuses die Netzleitung trennen.
- 2) Nur für die Verwendung in trockener Umgebung geeignet.
- 3) **Wenn Notstromversorgung durch eine UPS erfolgt:** Eine UPS, die nicht mit einem reinen Sinus Ausgangssignal arbeitet, kann dieses Gerät oder die angeschlossenen Ventilatoren beschädigen oder zerstören. Es muss eine UPS mit reinem Sinus Ausgangssignal verwendet werden.

ADVERTENCIA

- 1) Desconectar antes de hacerle servicio para reducir el riesgo de descarga eléctrica. **Apagarlo no desconecta la electricidad**, desconecte la fuente antes de quitar la tapa.
- 2) Para ser usados solo en lugares secos.
- 3) **Si Hay un respaldo de electricidad suministrado por un sistema ininterrumpido de electricidad:** Un Sistema Ininterrumpido de Electricidad con una "onda cuadrada modificada" u otra "onda sinusoidal simulada" podría potencialmente dañar este artefacto y/o los ventiladores o abanicos que este controla. Se requiere un UPS con una salida de "onda sinusoidal pura".

SPECIFICATIONS:

Protection: 4 AMP Fuse (User Serviceable)

Power Input: 100-240 VAC - 50/60HZ (Nominal)

Power Output: (4) IEC-C13 outlets. Variable output, 60 to 240VAC @ 1.5 AMP Max Combined Load

NOTE: Affix enclosed warning stickers to fans that are to be controlled by FC Series thermostatic fan controller.

Function: Fan control module varies fan speed based upon temperature to increase fan life while decreasing noise & power consumption.

Status LEDs:

AUTO: Illuminated whenever switch is in the "AUTO" position.

ON: Illuminated whenever fan is operating. The LED will "blink" in proportion to fan speed, from 2 blinks per second to constant.

 Mode Settings: **Disconnect power by removing plug before removing cover** (See warning above)

Mode 1: Fan speed proportional to temperature (factory set)

Mode 2: "Complete On" (On or Off, not proportional). (See Figure A)

This mode is selected by removing pluggable jumper (JP2) on the circuit board. To access jumper on circuit board 2 screws on face of unit must be removed.


Middle Atlantic Products

I-00104

Rev J

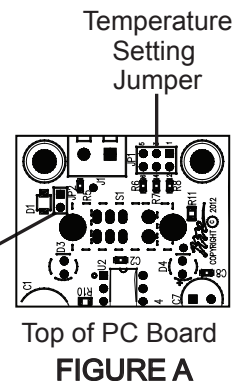
Temperature Setting: (See Figure A)

A 3 position pluggable jumper (JP1) on circuit board is provided to shift the temperature control range per table below. To access jumper on circuit board 2 screws on face of unit must be removed.

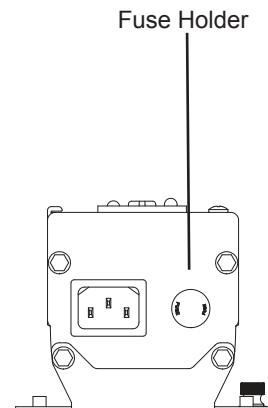
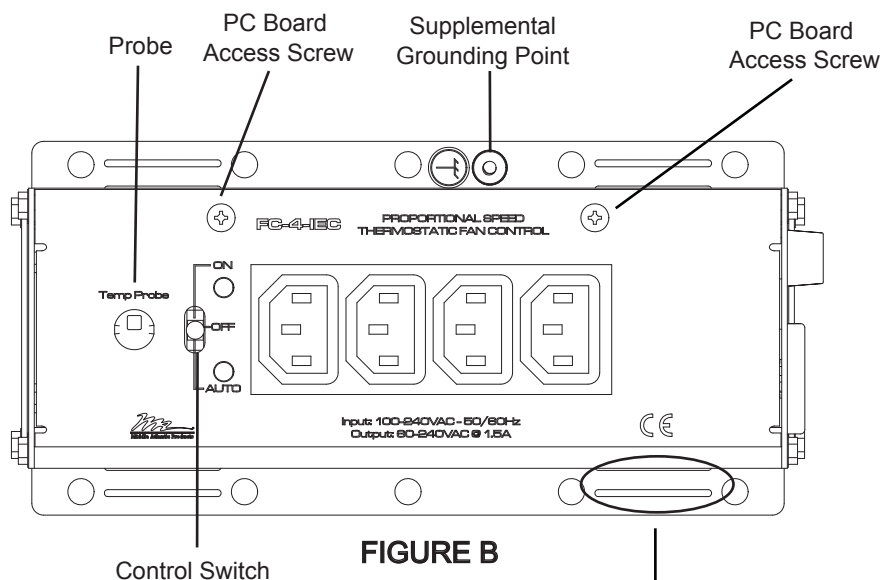
JP1 Jumper Settings

	SLOW	FULL SPEED
Position #1	32°C (90°F)	38°C (100°F)
Position #3	29°C (85°F)	35°C (95°F) (factory set)
Position #5	27°C (80°F)	32°C (90°F)

Remove For
"Complete On" Mode



Placement of probe: In order to achieve proper temperature sensing, the probe should be installed near the top of the rack. The probe is provided with a 1.5 meter lead.



Raised lacing points for cable tie mounting.

Control Switch Position (Figure B)

AUTO	OFF	ON
Thermostatic fan control	Fan power is off	Fan on full speed

WARRANTY

Middle Atlantic Products, Inc. (the "Company") warrants the FC-4-IEC Thermostatic Fan Controller to be free from defects in material or workmanship under normal use and conditions for a period of (3) three years from date of shipment by the company.

The Company's entire liability to the purchaser, and the purchaser's (or any other party's) sole and exclusive remedy, under this warranty shall be limited, at the Company's option, to either (a) return of and refund of the price paid for, or (b) repair or replacement at the Company's factory of the products purchased, or any part or parts thereof, which the Company has determined to be defective after inspection thereof at the Company's factory. This warranty does not cover damage due to acts of God, accident, misuse, abuse or negligence by parties other than the Company, or any modification or alteration of the products. In addition, this warranty does not cover damage due to improper handling, assembly, installation or maintenance.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF THE PRODUCTS PURCHASED, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE COMPANY'S LIABILITY TO THE PURCHASER (OR ANY OTHER PARTY) HEREUNDER, IF ANY, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCTS PAID TO THE COMPANY.

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