

Users Manual and Installation Instructions for Model 100 Security Thermostat Card Reader which is part of Energy Technologies Group LLC S3E security and energy savings system.

**Mounting:** Unit is to be mounted to the wall using two (2) #4 screws.

**Wiring:** Unit shall be wired in accordance with the following chart.

LOCATION	COLOR	FUNCTION
J1 Position 1	Black	Ground
J1 Position 2	T.B.D.	+12V IN
J1 Position 3	Yellow	Cool Relay
J1 Position 4	White	Heat Relay
J1 Position 5	Green	Fan Relay
J1 Position 6	Red	Relay Common

**Adjustments:** The unit comes with the motion detector pre-adjusted. Various room configurations may require the adjustment of the motion detectors sensitivity. Turning potentiometer POT1 clockwise will increase the sensitivity while counterclockwise rotation will decrease the sensitivity.

**Identity Programming:** After the unit has been installed it will require identity programming to make the unit active. This unit has a programming port used to load room numbers, operational characteristics. Please refer to Identity programmers' manual for further details on identity programming.

**Operation:** After completion of the mounting, wiring, adjustments, and identity programming the unit should be functional. Activation of either the up arrow button or the down arrow button will cause the thermostat to enter the temperature set mode in which the user can raise or lower the desired temperature. After approximately 5 seconds of no activity on these two buttons the unit will revert back to normal operational mode implementing any temperature change settings that may have been changed. Activation of the large button towards the bottom of the front of the unit will cause the thermostat to cycle between AC, Heat, Fan Only, AC with constant on fan, Heat with constant on Fan, and OFF. Repeated depressions of the switch cause the unit to cycle between these functions.

At room entry the motion detector in the thermostat should activate a beeper, which will continue to beep until a smart card is inserted into the card slot on the top of the unit. Insertion of the smart card will disable the beeper.

**Limitation of liability – Neither Energy Technologies Group or its suppliers shall be liable for the loss of use of this product, loss of income, inconvenience, or any other damages whether direct, indirect, or consequential, arising out of the use or inability to use this Energy Technologies Product.**

**Limited 1 Year Warranty - The Model 100 Security Thermostat Card Reader product is warranted by Energy Technologies Group, LLC for a period of 1 year from date of initial installation. This warranty protects against defects in materials or workmanship when exposed to normal use. This warranty is void if installation and or identity programming is performed by someone other than an authorized Energy Technologies Group installer. This limited warranty does not cover damage, failure or mal-function caused by or attributable to acts of God. This limited warranty is only available to the original purchaser. This warranty does not cover damages due too abuse, improper installation, misuse or abnormal usage.**

#### **Customer Service**

**Installation – If problems are encountered during installation contact (1-877-400-0003) and request assistance.**

**Operation – If problems arise during operation contact (1-877-400-0003) and request assistance.**

**Warranty Repair – If a warranty repair arises please contact (1-877-400-0003) and request a returned material authorization.**

**FCC Compliance – This device complies with part 15 of the FCC rules. Operation is subject to the following two (2) conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.**

**NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modifications could void the user's authorization to operate the equipment**