

PSG Controls, Inc.

“The Innovators of ACCŪSTAT®”

DESIGNING, ENGINEERING, & MANUFACTURING

Product Catalog 2008-2009



Residential - Commercial - Industrial - Property Management

Ordering

- To locate a distributor branch near you contact PSG's Customer Service via phone at 215-257-3621 or 800-782-8412 or check our website at www.psgcontrols.com and click on the "Distributor Locator" link.
- PSG corporate fax number: 215-257-4288, PSG corporate e-mail: sales@psgcontrols.com.
- Price and availability inquiries should be directed to PSG's Customer Service via phone at 215-257-3621 or 800-782-8412, and a current price list can be requested.

Samples

- Product samples are available for a charge. Please contact your sales representative.

Warranty

PSG Controls, Inc. warrants all cataloged products to be free from defects in material and workmanship, for a period of one (1) year from the date of purchase, unless otherwise specified in writing. Any PSG product proven to be defective within the warranty period will be repaired or replaced, at PSG Controls' option, and shipped prepaid. This warranty does not cover products that have been subject to misuse, abuse, neglect, accidents, alterations, improper installation or application, or used outside the scope of the printed instructions. Additionally, this warranty does not apply to batteries or the deterioration thereof, or damage to the product caused by the use of faulty batteries. In no event will PSG Controls, Inc. be liable for the cost of labor charges, lost profits, injury to good will or any other consequential damages for defective goods, late delivery or non-delivery.

PSG Controls, Inc. reserves the right to make the final determination as to whether any product returned for warranty consideration is defective.

No product shall be accepted for repair or replacement without prior written authorization from PSG Controls, Inc. and a copy of the original invoice. A Return Material Authorization number (RMA) is required for any warranty return and may be obtained through PSG's Customer Service Department via phone (215-257-3621) or email (sales@psgcontrols.com).

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Note:

All product photos included are representative of a product line and may not contain exact printing, switches, etc.

NEW!

Freedom Advantage Series Digital All-in-One Programmable Thermostats



The Freedom Advantage digital thermostat offers flexible programming (7-day, 5-2, or 5-1-1) for most low-voltage applications all in one control. It can be configured to operate single or two-stage conventional heating and/or cooling or single or multi-stage heat pump systems with electric or dual fuel auxiliary heat. In addition, it can be configured for either auto-changeover or manual heat/cool operation and has independent heating and cooling cycle rates, ServiceWatch® reminders, and a large backlit display. The built-in Advanced Performance Technology allows the system to gradually change the temperature from the energy saving setback temperature to the comfort temperature, saving the user on energy costs. Plus, a variety of lockout levels protect the thermostat from tampering.



The features packed into this control make it ideal for property management applications such as schools, condominiums, and apartments, as well as light commercial and standard residential applications.

Please request specifications for detailed technical information.

Basic Specifications:

- Input voltage: 24 VAC ±10%
50/60 Hz
(not for use with millivolt systems)
- Power: Battery (plus optional common wire connection)
- Output drive: 1.0 amps max per circuit
- Comfort temperature range: 40°F to 90°F
- Programming modes: 7-day, 5-2, or 5-1-1
- Display: LCD; 0.6" characters
EL blue/green backlight
- Dimensions: 6"W x 4"H x 1.5"D



Model #	Case Color
FP700	White
FP700-B	Black

*Consult factory for information regarding custom labeling your Freedom thermostat.



Freedom Non-Programmable Digital Non-Programmable Thermostats with One-Touch Economy

COMING
SOON!

The Freedom non-programmable has an economy mode that can be turned on or off at the touch of a button. It can be configured to operate single stage heating, cooling, or heat pump systems with or without auxiliary heat. In addition, like its sister thermostat the Freedom Advantage, it can be configured for either auto-changeover or manual heat/cool operation and has independent heating and cooling cycle rates, ServiceWatch® reminders, and a large backlit display. Plus, a variety of lockout levels protect the thermostat from tampering.



The economy and lockout features of this non-programmable control make it ideal for property management applications such as schools, condominiums, and apartments, as well as light commercial and standard residential applications.

Please request specifications for detailed technical information.

Basic Specifications:

- Input voltage: 24 VAC ±10%
50/60 Hz
(not for use with millivolt systems)
- Power: Battery (plus optional common wire connection)
- Output drive: 1.0 amps max per circuit
- Comfort temperature range: 40°F to 90°F
- Display: LCD; 0.6" characters
EL blue/green backlight
- Dimensions: 6"W x 4"H x 1.5"D

Model #	Case Color
F100	White
F100-B	Black

*Consult factory for information regarding custom labeling your Freedom thermostat.

Medallion Digital Thermostats



The Medallion controls are simple to use and aesthetically pleasing. They are available in both programmable and non-programmable models.

The programmable models offer the easiest-to-use programming on the market, which will make callbacks a thing of the past! They allow programming for up to four events (Wake, Leave, Return, and Sleep), with the ability to disable the middle two events for the weekend. A non-volatile memory chip protects the programming in the event of a power loss.

Both programmable and non-programmable models feature a large easy-to-read display and simple up/down arrows to set the temperature. They are available in battery and hardwired models, making them applicable for both retrofits and new construction.

These controls are ideal for primary residential, multi-family, and light commercial applications, including gas, oil, central electric, and heat pump.

Please request specifications for detailed technical information.



Specifications:

Power: Battery or hardwired 24 VAC (depending on model)
 Load Rating: 24 VAC at 1 amp
 Range: 40°F to 90°F



Programmable models only

Model No.	Stages	Power	System Switches	Fan Switches	Other Features
Single Stage Non-Programmable (dimensions 2.9Wx2.9Hx1.2D)					
TDM24-H1	Heat Only	Battery	Ht/Off	None	
TDM24-AH11	1 Cl/1 Ht	Battery	Cl/Off/Ht	Auto/On	
Single Stage Programmable					
TDMP24-H1	Heat Only	Battery	Ht/Off	None	
TDMP24-AH11	1 Cl/1 Ht	Battery	Cl/Off/Ht	Auto/On	
TDMP24-AH11-CB	1 Cl/1 Ht	Hardwired	Cl/Off/Ht	Auto/On	Backlit
TDMP24-AH11-M3F	1 Cl/1 Ht	Hardwired	Cl/Off/Ht	Auto/On	Backlit; 3-Speed Fan Control
Multi Stage Programmable (dimensions 5.0Wx5.0Hx1.2D)					
TDAP24-AH22-CB	2 Cl/2 Ht	Hardwired	Auto/Cl/Off/Ht	Auto/On	Backlit
TDAPHP-AH12-B	1 Cl/2 Ht	Hardwired	Auto/Cl/Off/Ht/EH	Auto/On	Heat Pump; Backlit

Radiant Series Line Voltage Thermostats Digital Programmable & Non-Programmable Thermostats



The Radiant series thermostats are simple to use and feature a large easy-to-read display. They are available in either heat only or cool only programmable or non-programmable models.

Programmable digital controls have been proven to save up to 35% in energy costs when replacing an existing bi-metal control. The 5-1-1 programming of the Radiant programmable controls allows the user to set up to four events per day (Wake, Leave, Return, and Sleep) with separate programming for weekends. A non-volatile memory protects the programming in the event of a power loss.

Both programmable and non-programmable models also offer adjustable temperature limiting, which allows the installer to program setpoint limits and makes them ideal for property management applications such as apartments, condos, and student housing.

They are available in 120 VAC or 240 VAC single pole or 240 VAC double pole models. These controls work with baseboard electric heat, radiant heat zone valves, infrared heaters, exhaust fans, and line voltage air conditioning.



Please request specifications for detailed technical information.

Basic Specifications:

- Voltage: 120 or 240 VAC
- Load Rating: 16 amps (resistive) or 1/2 hp
- Range: 40°F to 85°F
- Dimensions: 3.5"W x 5.0"H x 1.5"D

UL Approved

Model #	Voltage	Comments
Programmable		
RPLV-120S	120 VAC	Single pole; Heat only
RPLV-240S	240 VAC	Single pole; Heat only
RPLV-240D	240 VAC	Double pole; Heat only
RPLV-120S-C	120 VAC	Single pole; Cool only
RPLV-240S-C	240 VAC	Single pole; Cool only
RPLV-240D-C	240 VAC	Double pole; Cool only
Non-Programmable		
RLV-120S	120 VAC	Single pole; Heat only
RLV-240S	240 VAC	Single pole; Heat only
RLV-240D	240 VAC	Double pole; Heat only
RLV-120S-C	120 VAC	Single pole; Cool only
RLV-240S-C	240 VAC	Single pole; Cool only
RLV-240D-C	240 VAC	Double pole; Cool only



Nepra 4000 Series For Fan Coil Applications 2 pipe and/or 4 pipe systems

The Nepra 4000 digital fan coil series provides energy savings in a high quality, affordable control. These controls are proven to save on energy costs when replacing an existing mechanical fan coil control. Plus, they feature several field programmable options that make them extremely flexible. The installer can customize the default setpoint, comfort limits, economy settings, cycle rate, and more.

Large buttons and an easy-to-read display make these controls simple to use in any setting.

They can be used with 2-pipe or 4-pipe fan coil systems, and they are available in either user-selectable or constant fan models.

Custom features such as remote sensing, molex connectors, setback capability, and custom programming can be requested on larger quantity orders.

These controls are ideal for institutional and property management applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry.

Please request specifications for detailed technical information.

Basic Specifications:

- Input Voltage: 24, 120, 240, or 277 VAC
- Load Rating: 24 VAC: 1.5 amps/circuit
Line Voltage: 2.0 amps (pilot duty)
per stage; 1/6 HP fan load
- Range: 60°F to 85°F
- Dimensions: 3.5"W x 5.0"H x 1.5"D
- ETL Listed 



Model #	Voltage	Fan Control
NP-4024U	24 VAC	User selectable
NP-4120U	120 VAC	User selectable
NP-4240U	240 VAC	User selectable
NP-4277U	277 VAC	User selectable
NP-4024K	24 VAC	Constant
NP-4120K	120 VAC	Constant
NP-4240K	240 VAC	Constant
NP-4277K	277 VAC	Constant

*Conformal coating is available for high humidity and corrosive environments. Add a "K" after the "NP" in the part number (Example NPK-4024U).

Consult factory for custom configurations or programming options (available on orders of 100 pieces or more).

Nepra 4500 Series For PTAC, PTHP, and Water Source Heat Pump Applications



The Nepra 4500 series provides energy savings in a high quality, affordable digital control. These controls are proven to save on energy costs when replacing an existing mechanical control, and the relay-free design provides silent operation of PTAC, PTHP, and water source heat pump systems.

These controls also feature several field programmable options that make them extremely flexible. The installer can customize the default setpoint, comfort limits, economy settings, cycle rate, and more.

Large buttons and an easy-to-read display make these controls simple to use in any setting.

They are available in either user-selectable or constant fan models, and they can be used with both PTAC and PTHP systems, including manufacturers such as Trane, Amana, Friedrich, and others.

Custom features such as remote sensing, molex connectors, and setback capability can be requested on larger quantity orders.

These controls are ideal for institutional and property management applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry.

Please request specifications for detailed technical information.

Basic Specifications:

Input Voltage: 24 VAC
 Load Rating: 1 amp/circuit
 Range: 60°F to 85°F
 Dimensions: 3.5"W x 5.0"H x 1.5"D



Model #	Fan Control
NP-4500U2	User selectable
NP-4500K2	Constant

*Conformal coating is available for high humidity and corrosive environments. Add a "K" after the "NP" in the part number (Example NPK-4500U2).

Consult factory for custom configurations or programming options (available on orders of 100 pieces or more).



Nepra Premier Series For Fan Coil Applications 2 pipe and/or 4 pipe systems

The Nepra Premier series digital controls offer flexible field configured options for use with 2-pipe or 4-pipe fan coil systems. Field configurable options include: default setpoint; 1-2-3 speed fan control; user-selectable, constant, and auto cycle fan; economy limits; heat/cool limits; etc.

Line voltage models can operate from 120 VAC up to 277 VAC. There are also 24 VAC models available.

All of the Premier controls are backlit for ease of use, and selected models have advanced features such as remote sensing and setback capability.

These controls sport a brand new look, and they are ideal for institutional and property management applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry.

Please request specifications for detailed technical information.



Basic Specifications:

Input voltage: 24 VAC or 120-277 VAC (see models)

Comfort temperature range: 60°F to 85°F

Economy Limits: Cool 78°F - 88°F; Heat 55°F - 68°F

Backlight: EL blue green

Dimensions: 3.9"W x 5.7"H x 1.6"D

NRTL Listed

Load Rating Chart

Single speed fan motors:

Voltage	120VAC	208VAC	220 - 240VAC	277VAC
1/6HP FLA	4.4A	2.4A	2.2A	1.9A
Heat/Cool Pilot Duty	240VA (2.0A)	240VA (1.15A)	240VA (1.0A)	240VA (0.87A)

1/4 HP 3 speed or 2 speed fan motors:

Voltage	120VAC	208VAC	220 - 240VAC	277VAC
1/4HP FLA	5.8A	3.1A	2.9A	2.4A
Heat/Cool Pilot Duty	125VA (1.0A)	125VA (0.6A)	125VA (0.52A)	125VA (0.45A)

Model #	Voltage	System Changeover	Additional Features
PFC-A24	24 VAC	Automatic	
PFC-M24	24 VAC	Manual	
PFC-ALV	120-277 VAC	Automatic	
PFC-MLV	120-277 VAC	Manual	
PFC-A24-RS	24 VAC	Automatic	Remote Sensing; Setback Capability
PFC-M24-RS	24 VAC	Manual	Remote Sensing; Setback Capability
PFC-ALV-RS	120-277 VAC	Automatic	Remote Sensing; Setback Capability
PFC-MLV-RS	120-277 VAC	Manual	Remote Sensing; Setback Capability

Comments:

- Conformal coating is available for high humidity and corrosive environments. Add "-K" to the part number.
- For tan color add "-T" to the part number (available only on orders of 100 pieces or more).
- Setback compatible models must be used with an external timer or other device that can provide dry contacts to utilize setback feature.
- Remote sensing models require additional sensors which need to be ordered separately. See Accessories.



Nepra Wireless Series



Nepra wireless digital controls provide a wall mounted option for most HVAC systems, such as PTAC, PTHP, and water source heat pump, without the hassle of running wires. Simply mount the battery-operated control on the wall and wire the receiver directly into the system equipment. The receiver takes a 24 VAC input, so it can be used with either 24 VAC systems or wired with a relay board allowing a step-down from a line voltage system.

The controls can be programmed for either user-selectable or constant fan operation, as well as either auto or manual heat/cool changeover.

These controls feature many field programmable options that make them extremely flexible. The installer can customize settings including (but not limited to):

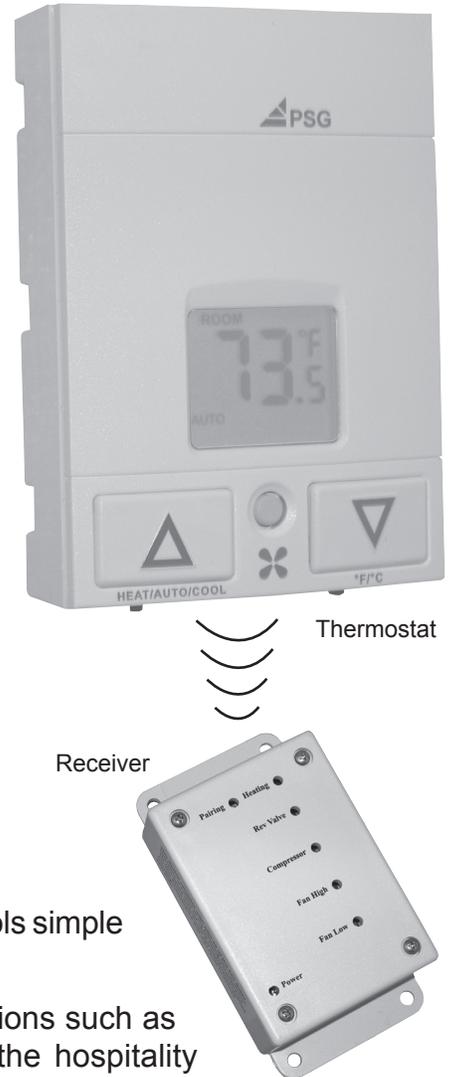
- auto or manual changeover
- one- or two- speed fan
- user-selectable, constant, or auto fan control
- PTAC & PTHP manufacturer settings
- default setpoint
- comfort limits
- economy settings
- cycle rate

Large buttons and an easy-to-read backlit display make these controls simple to use in any setting.

They are ideal for institutional and property management applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry.

Custom configurations such as heat only and cool only can be requested on larger quantity orders.

Please request specifications for detailed technical information.



Thermostat Basic Specifications:

Input Voltage: 2 C-cell batteries (3V total)
 Load Rating: 1/2 amp/circuit
 Range: 60°F to 85°F
 Dimensions: 3.5"W x 5.0"H x 1.5"D

Receiver Basic Specifications:

Input Voltage: 24 VAC
 Load Rating: 0.3 amp/circuit
 Dimensions: 2.5"W x 4.4"H x 1.1"D

Model #	Fan Control Default
RF-U	User selectable
RF-K	Constant

*Conformal coating is available for high humidity and corrosive environments. Consult factory for ordering information.



Digital Thermostat Accessories

Freedom Series Accessories

Model #	Description	
FP-OS	Outdoor/duct mount sensor	 FP-WS
FP-WS	Wall mount sensor	

Medallion Series Accessories

Model #	Description	
BP-TDM1	Mounting backplate for small models	 BP-TDM1  M-DP  BP-TDM2
BP-TDM1-IMP	Mounting backplate for small models with custom imprinting	
BP-TDM2	Mounting plate for large models	
M-DP	Door - large models (not Heat Pump) - custom imprinting available	
M-DHP	Door - large Heat Pump models - custom imprinting available	

Neptra Series Accessories

Model #	Description	Comments
SB-1*	Subbase for Neptra 4000 & 4500	No instructions; plastic
SB-1/TAN*	Subbase for tan Neptra 4000 & 4500	No instructions; tan color; plastic
SB-1D*	Subbase for Neptra 4000 & 4500	“K” instructions; plastic
SB-1E*	Subbase for Neptra 4000 & 4500	“U” instructions; plastic
P-SB	Subbase for Premier	No instructions; plastic
P-AK	Aquastat kit for Premier	“-RS” models only
P-RS	Remote sensor for Premier	“-RS” models only

* All subbases are left/right reversible.


 SB-1

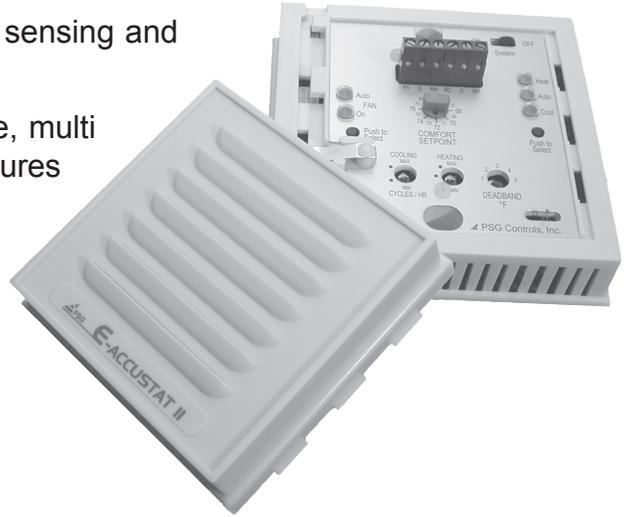
E-ACCUSTAT® II Series Electronic Thermostats

All of the E-ACCUSTAT® II controls feature electronic sensing and are housed in tamper-resistant locking cases.

These hardwired controls are available in single stage, multi stage, and heat pump models, with several optional features such as remote sensing, setback, and damper control.

These controls are ideal for commercial applications such as warehouses and fast food restaurants or residential applications such as condominiums and other managed properties.

Please request specifications for detailed technical information.



Basic Specifications:

Voltage: 24 VAC \pm 10% (common wire required)
 Load Rating: 1.5 amps/circuit
 Range: 55°F to 85°F
 Dimensions: 4.6"W x 4.6"H x 1.8"D

Model #	Stages	Extra Features
LEMS2-AH11	1 CL/1 HT	
LEMS2-AH11-R	1 CL/1 HT	Remote sensing
LEMS2-AH11AS-RD	1 CL/1 HT	Remote sensing, setback, damper
LEMS2-AH22	2 CL/2 HT	
LEMS2-AH22-R	2 CL/2 HT	Remote sensing
LEMS2-AH22AS-RD	2 CL/2 HT	Remote sensing, setback, damper
Heat Pump		
LEHP2-AH12	1 CL/2 HT	
LEHP2-AH12AS-RD	1 CL/2 HT	Remote sensing, setback, damper
LEHP2-AH23	2 CL/3 HT	
LEHP2-AH23AS-RD	2 CL/3 HT	Remote sensing, setback, damper

ACCUSTAT® Low Voltage Controls

All of the ACCUSTAT® controls provide precise temperature control using PSG's ACCUTHERM® snap-in sensors (sold separately).

They are housed in tamper-resistant locking cases, and the low voltage series is available in single stage, multi stage, and heat pump models. Some models are setback compatible.

These controls are ideal for commercial applications such as warehouses and fast food restaurants or residential applications such as condominiums and other managed properties.

Please request specifications for detailed technical information.



Specifications:

Voltage:	18-26 VAC
Load Rating:	1.2 Amps per stage
Sensing:	Preset or adjustable ACCUTHERM® sensors (sold separately)
Dimensions:	4.6"W x 4.6"H x 1.5"D

Model #	Stages	Sensors Required
Single Stage		
LA-1	1 CL	1
LH-1	1 HT	1
LH-2	1 HT (hi/lo)	2
LAH-11	1 CL/1 HT	2
LAH-11E	1 CL/1 El. HT	2
LMS-AH11	1 CL/1 HT	2
LAH-22	1 CL/1 HT (hi/lo)	4
Multi Stage		
LMS-A2	2 CL	2
LMS-H2	2 HT	2
LMS-AH21	2 CL/1 HT	3
LMS-AH22	2 CL/2 HT	4
LMS-AH22NS	2 CL/2 HT	4
LMS-AH22IF	2 CL/2 HT	4
Heat Pump		
LHP-AH22	1 CL/2 HT	4
Setback Compatible*		
LH2-AS	1 HT (hi/lo)	2
LAH-22AS	1 CL/1 HT (hi/lo)	4
LMS-AH23AS	2 CL/2 HT (hi/lo in heat)	5

*Setback compatible ACCUSTAT® models must be used with an external timer to utilize setback feature.

ACCUTHERM® sensors and other accessories ordered separately - see page 15.

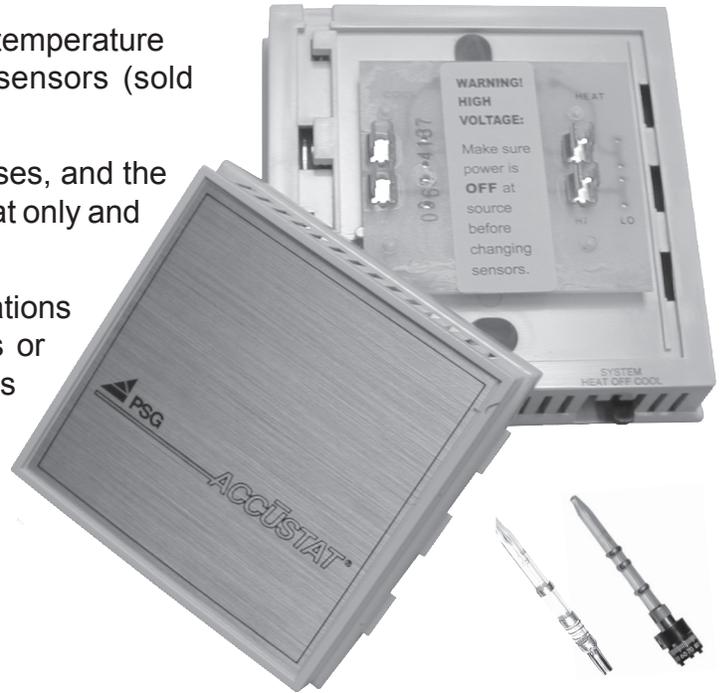
ACCUSTAT® Line Voltage Controls

All of the ACCUSTAT® controls provide precise temperature control using PSG's ACCUTHERM® snap-in sensors (sold separately).

They are housed in tamper-resistant locking cases, and the line voltage series is available in single stage heat only and heat/cool models.

These controls are ideal for commercial applications such as warehouses and fast food restaurants or residential applications such as condominiums and other managed properties.

Please request specifications for detailed technical information.



Basic Specifications:

Voltage: 120 or 220 VAC
 Sensing: Preset or adjustable ACCUTHERM® sensors (sold separately)
 Rating: 1, 5, or 20 Amps, depending on model
 Dimensions: 4.6"W x 4.6"H x 1.5"D

Model #	Stages	Sensors Required	Voltage/Load
LV120-H1	1 HT	1	120 VAC / 1 Amp
LV120A-H1	1 HT	1	120 VAC / 20 Amp
LV120B-H1	1 HT	1	120 VAC / 5 Amp
LV220A-H1	1 HT	1	220 VAC / 20 Amp
LV120-AH11	1 CL/1 HT	2	120 VAC / 1 Amp
LV120B-AH11	1 CL/1 HT	2	120 VAC / 5 Amp
LV120B-AH22	1 CL/1 HT (hi/lo)	4	120 VAC / 5 Amp

ACCUTHERM® sensors and other accessories ordered separately - see page 15.

ACCUSTAT® Duct or Wall Mounted Limiters

ACCUSTAT® limiters are used in conjunction with an existing thermostat to control the range of temperature adjustment permitted, using PSG's preset ACCUTHERM® snap-in sensors (sold separately).

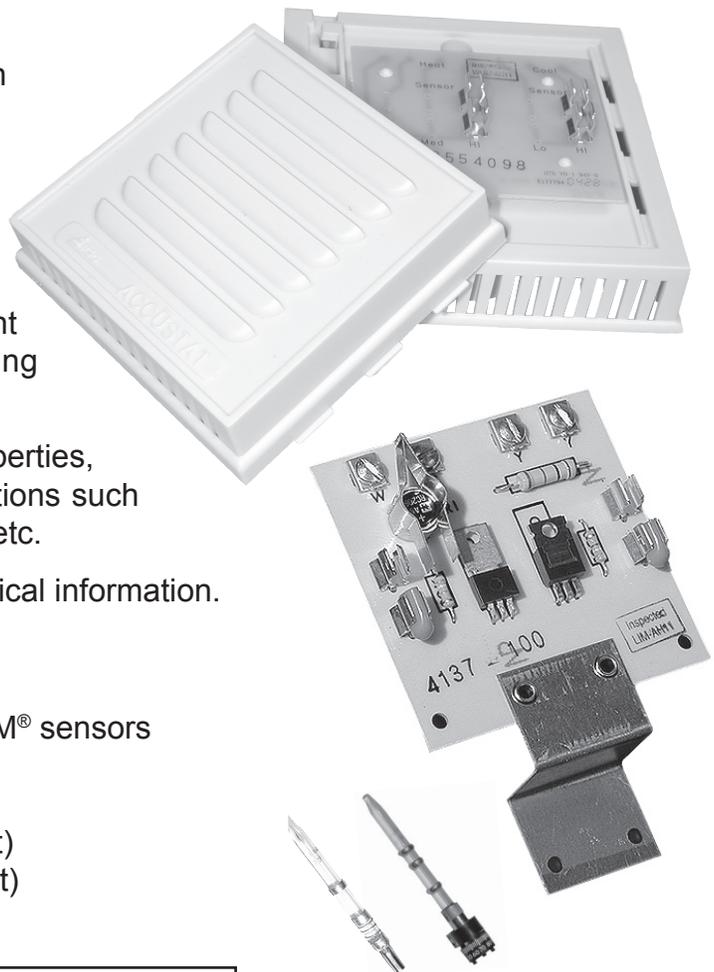
Duct mount and wall mount models are available in heat only, cool only, and heat/cool. Wall mount models are housed in tamper-resistant locking cases.

These controls are ideal for offices, rental properties, and a variety of property management applications such as assisted living, apartments, condominiums, etc.

Please request specifications for detailed technical information.

Specifications:

Voltage: 24-30 VAC
 Sensing: Preset or adjustable ACCUTHERM® sensors (sold separately)
 Rating: 1.0 Amps
 Dimensions: 4.6"W x 4.6"H x 1.5"D (wall mount)
 3.0"W x 4.5"H x 1.5"D (duct mount)



Model #	Stages	Sensors Required
Duct Mount		
LIM-A1	1 CL	1
LIM-H1	1 HT	1
LIM-AH11	1 CL/1 HT	2
Wall Mount		
WLIM-A1	1 CL	1
WLIM-H1	1 HT	1
WLIM-AH11	1 CL/1 HT	2

ACCUTHERM® sensors and other accessories ordered separately - see page 15.

ACCUSTAT® Energy Guard Single Stage Adjustable Setting with Limits

The ACCUSTAT® Energy Guard controls provide superb accuracy in a simple mechanical control, utilizing a built-in adjustable ACCUTHERM® sensor.

These controls offer limiting capabilities by adding PSG's preset ACCUTHERM® sensors (sold separately).

Heat only and heat/cool models are available that are designed to work with 24 VAC radiant heat valves or gas/oil/electric low voltage heating and cooling systems.

They are ideal for many property management applications such as HUD, assisted living, apartments, condominiums, university housing, etc.

Please request specifications for detailed technical information.



Specifications:

Voltage: 24 VAC
 Sensing: Built-in adjustable ACCUTHERM® sensor
 Limiting: Preset ACCUTHERM® sensors (sold separately)
 Rating: 1.0 Amp
 Range: 40°F to 90°F
 Dimensions: 3.5"W x 3.9"H x 1.6"

Model #	Stages	Sensors Required (for limiting)	Switches	Connections
T30H-L	1 HT	1	None	R,W
T32AH-L	1 CL/1 HT	2	(system) Ht/Off/Cool (fan) Auto/On	R,W,Y,G

ACCUTHERM® sensors ordered separately - see page 15.

ACCUTHERM® Preset and Adjustable Snap-in Sensors (for use in all PSG ACCUSTAT® controls)

PSG's patented ACCUTHERM® sensors work in all of the ACCUSTAT® controls, including low voltage, line voltage, heat pump, Energy Guard, and limiters.

These mercury-based sensors provide high accuracy with virtually no temperature drift.

Both preset and adjustable models are available. The preset models offer tamper-proof temperature control, and the adjustable model offers the flexibility of choosing any temperature between 40° and 90°F.

Please request specifications for detailed technical information.



Preset



Adjustable

Model #	Temperature Setting	Model #	Temperature Setting
Preset		S-74	74°F
S-40	40°F	S-75	75°F
S-45	45°F	S-76	76°F
S-50	50°F	S-78	78°F
S-55	55°F	S-80	80°F
S-60	60°F	S-82	82°F
S-62	62°F	S-84	84°F
S-64	64°F	S-86	86°F
S-65	65°F	S-88	88°F
S-66	66°F	Adjustable	
S-68	68°F	AS-90	40-90°F (adj.)
S-70	70°F		
S-72	72°F		

ACCUSTAT® / E-ACCUSTAT® Accessories

Model #	Description
CP-012	ACCUSTAT® replacement cover
CP-012E	E-ACCUSTAT® II replacement cover
CP-013	ACCUSTAT®/E-ACCUSTAT® II locking pin
CP-014	ACCUSTAT®/E-ACCUSTAT® II key
BAT-393	KwikTherm® PAD replacement battery with battery cover
T24-7	Timer 7 Day - 24 VAC
SRT-3	E-ACCUSTAT® II Remote Sensor - wall mount



CP-012



CP-012E

CP-014



CP-013



BAT-393



T24-7



SRT-3

Pocket Thermometers

PSG offers both dial and digital thermometers.

The dial thermometers are available in two 1" Econo-Therm models and a 1-3/4" pocket bimetal model. The Econo-Therm series has two models, with a range of -40°/+160°F or 0°/+220°F. The pocket bimetal has a range of 0°/+220°F.

The digital model is PSG's Kwiktherm®, featuring a swivel head, a range of -50°/+300°F, and a 15 second automatic update with an instant update button.

Both the dial and digital models are ideal for industrial applications.

Please request specifications for detailed technical information.

Dial Thermometers

Basic Specifications:

Dial Size: 1" or 1-3/4"
Stem: 5"



KwikTherm® Digital Thermometer

Basic Specifications:

Stem: 5" stainless steel
Display: LCD in 0.1°F increments
Battery: #393



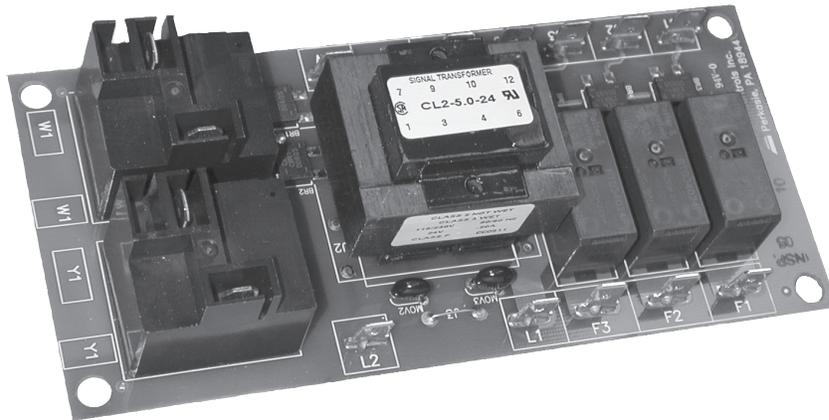
Model #	Temperature Range
1" Econo-Therm	
<i>Individually blister-packed</i>	
ET-160	-40/+160°F
ET-220	0/+220°F
<i>Consult factory for bulk packing options</i>	
1-3/4" Pocket Bimetal	
D-5009	0/+220°F (-10/+100°C)
KwikTherm® Digital	
PAD-300	-50/+300°F

Relay Control Boards

PSG's general purpose relay boards are available for both 2 and 3 speed fan applications in 120, 208/240, and 277 VAC.

They include two independent 20 amp relays and a Class II transformer for low voltage controls.

Please contact factory for additional information.



Model #	Description	Load Rating	Voltage	Comments
General purpose relay for 2 or 3 speed fan				
RC-120-4	2 speed fan	1/3 HP	120	Includes two independent 20 amp relays and a Class II transformer for low voltage controls
RC-220-4	2 speed fan	1/2 HP	208/240	
RC-277-4	2 speed fan	1/2 HP	277	
RC-120-5	3 speed fan	1/3 HP	120	
RC-220-5	3 speed fan	1/2 HP	208/240	
RC-277-5	3 speed fan	1/2 HP	277	
Notes:				
<ul style="list-style-type: none"> • All 120-240 VAC models are UL listed. • For Conformal Coating add a "K" after the "RC" in model number (Example: RCK-120-4). • Contact factory with inquiries regarding relay control boards requiring custom configurations. 				

DIGITAL THERMOSTAT REFERENCE GUIDE

	Program-mable	Multi Stage	Single Stage	Heat Pump (air to air)	Stages Heating	Stages Cooling	Power	Remote Sensing Capability	Backlight	Auto Change-over
Freedom - see catalog pages 1-2 for details.										
FP700	x	x	x	x	up to 2	up to 2	Battery w/ Optional Common Wire	x	x	Optional
FP700-B	x	x	x	x	up to 2	up to 2		x	x	Optional
F100			x	x	1	1			x	Optional
F100-B			x	x	1	1			x	Optional
Medallion - see catalog pages 3 for details.										
TDM24-H1			x		1		Battery			
TDM24-AH11			x		1	1	Battery			
TDMP24-H1	x		x		1		Battery			
TDMP24-AH11	x		x		1	1	Battery			
TDMP24-AH11-CB	x		x		1	1	Hardwired		x	
TDMP24-AH11-M3F	x		x		1	1	Hardwired		x	
TDAP24-AH22-CB	x	x			2	2	Hardwired		x	x
TDAPHP-AH12-B	x	x (H)	x (C)	x	2	1	Hardwired		x	x
Radiant - see catalog pages 4 for details.										
RPLV-120S	x				x		120 VAC			
RPLV-240S	x				x		208/240 VAC			
RPLV-240D	x				x		208/240 VAC			
RPLV-120S-C	x					x	120 VAC			
RPLV-240S-C	x					x	208/240 VAC			
RPLV-240D-C	x					x	208/240 VAC			
RLV-120S					x		120 VAC			
RLV-240S					x		208/240 VAC			
RLV-240D					x		208/240 VAC			
RLV-120S-C						x	120 VAC			
RLV-240S-C						x	208/240 VAC			
RLV-240D-C						x	208/240 VAC			

NEPRA FAN COIL / PTAC THERMOSTAT REFERENCE GUIDE

The following Nepra series are available with the features marked. See pages 5-8 for details.

	24 VAC	120/240/277 VAC	Field Program-mable	Fan Speeds	Setback Capability	Remote Sensing	User-Select Fan	Constant Fan	Auto Fan	Fan Coil or PTAC/ PTHP
Nepra Premier	x	x	x	1, 2, 3	x	x	x	x	x	FC
Nepra 4000	x	x	x	2	Custom	Custom	x	x	x	FC
Nepra 4500	x		x	2	Custom	Custom	x	x	x	PTAC/PTHP
Nepra Wireless	x		x	1, 2	Custom	Custom	x	x	x	PTAC/PTHP

NON-DIGITAL THERMOSTAT REFERENCE GUIDE

	Program- mable	Multi Stage	Single Stage	Heat Pump (air to air)	Stages Heating	Stages Cooling	Uses Accutherm® Sensors	Line Voltage	Remote Sensing Capability	Auto Change- over
ACCŪSTAT® - see catalog pages 11-14 for details.										
LA-1			x			1	x			
LH-1			x		1		x			
LH-2			x		1		x			
LAH-11			x		1	1	x			
LAH-11E			x		1	1	x			
LMS-AH11			x		1	1	x			x
LAH-22			x		1	1	x			
LMS-A2		x				2	x			x
LMS-H2		x			2		x			x
LMS-AH21		x (C)	X (H)		1	2	x			x
LMS-AH22		x			2	2	x			x
LMS-AH22NS		x			2	2	x			x
LMS-AH22-IF		x			2	2	x			x
LHP-AH22		x (H)	x (C)	x	2	1	x			x
LH2-AS	x		x		1		x			
LAH-22AS	x		x		1	1	x			
LMS-AH23AS	x	x			2	2	x			x
LV120-H1			x		1		x	x		
LV120A-H1			x		1		x	x		
LV120B-H1			x		1		x	x		
LV220A-H1			x		1		x	x		
LV120-AH11			x		1	1	x	x		
LV120B-AH11			x		1	1	x	x		
LV120B-AH22			x		1	1	x	x		
LIM-A1			x			1	x			
LIM-H1			x		1		x			
LIM-AH11			x		1	1	x			
WLIM-A1			x			1	x			
WLIM-H1			x		1		x			
WLIM-AH11			x		1	1	x			
T30H-L			x		1		x			
T32AH-L			x		1	1	x			
E-ACCŪSTAT® - see catalog pages 10 for details.										
LEMS2-AH11			x		1	1				x
LEMS2-AH11-R			x		1	1			x	x
LEMS2-AH22		x			2	2				x
LEMS2-AH22-R		x			2	2			x	x
LEMS2-AH11AS-RD	x		x		1	1			x	x
LEMS2-AH22AS-RD	x	x			2	2			x	x
LEHP2-AH12		x	x	x	2	1				x
LEHP2-AH12AS-RD	x	x	x	x	2	1			x	x
LEHP2-AH23		x	x	x	3	2				x
LEHP2-AH23AS-RD	x	x	x	x	3	2			x	x



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