

★ *Industrial*

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★ *Commercial*

★ *Property Management*



Product Catalog 2013



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Note:

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

Nepra Premier Series For Fan Coil, PTAC, PTHP, and Water Source Heat Pump Applications

- Remote sensing and setback capability on select models
- Flexible field configurable options such as default setpoint, 1-2-3 speed fan control, economy limits, heat/cool limits, and more
- Large buttons and an easy-to-read backlit display
- For use with 2-pipe or 4-pipe fan coil, PTAC, PTHP, or water source heat pump systems
- Ideal for property management and institutional applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry



Basic Specifications:

Input Voltage: 24 VAC or 120-277 VAC (depending on model)
 Comfort Range: 60°F to 85°F
 Economy Limits: Cool 78°F to 88°F
 Heat 55°F to 68°F
 Backlight: EL blue green
 Dimensions: 3.9"W x 5.7"H x 1.6"D

ETL 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 and setback capability
PFC-M24-RS	24 VAC	Manual	Remote sensing and setback capability
PFC-ALV-RS	120-277 VAC	Automatic	Remote sensing and setback capability
PFC-MLV-RS	120-277 VAC	Manual	Remote sensing and setback capability

Comments:

- Setback compatible models must be used with an external timer or other device that can provide dry contacts to utilize setback feature.
- Remote sensing feature requires additional sensors, sold separately. See Accessories on page 13.

*Consult factory for custom options such as conformal coating, tan case, programming options, etc. (Available on orders of 100 pieces or more.)

Nepra 4000 Series For Fan Coil Applications

- Automatic system changeover
- Field configurable options such as default setpoint, comfort limits, economy settings, cycle rate, and more
- Large buttons and an easy-to-read display
- For use with 2-pipe or 4-pipe fan coil systems
- Ideal for property management and institutional applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry



Basic Specifications:

Input Voltage: 24, 120, 240, or 277 VAC
(depending on model)

Load Rating: 24 VAC: 1.5 amps/circuit
Line Voltage: 2.0 amps (pilot duty)
per stage; 1/6 hp fan load

Comfort Range: 60°F to 85°F

Economy Limits: Cool 78°F to 88°F
Heat 55°F to 68°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

*Consult factory for custom options such as conformal coating, tan case, programming options, etc. (Available on orders of 100 pieces or more.)

Nepra 4505

For PTAC, PTHP, and Water Source Heat Pump Applications

- Relay-free design provides silent operation
- Field configurable options such as default setpoint, comfort limits, economy settings, cycle rate, and more
- Large buttons and an easy-to-read backlit display
- For use with PTAC, PTHP, or water source heat pump systems, including equipment manufactured by Trane, Amana, Friedrich, and others
- Ideal for property management and institutional applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry



Basic Specifications:

Input Voltage:	24 VAC
Load Rating:	1.5 amps max per circuit
Comfort Range:	60°F to 85°F
Economy Limits:	Cool 72°F to 99°F Heat 41°F to 72°F
Dimensions:	3.5"W x 5.0"H x 1.5"D

Model #	System Control
NP-4505A	Auto-changeover

*Consult factory for custom options such as conformal coating, tan case, programming options, etc. (Available on orders of 100 pieces or more.)

Nepra Occupancy Sensing For Fan Coil, PTAC, PTHP, and Water Source Heat Pump Applications

- Onboard occupancy sensor with multiple setback levels and setback ramping
- Configurable length of time without motion being detected before going into setback
- Field configurable options such as default setpoint, 1-2-3 speed fan control, comfort limits, economy settings, differential, cycle rates, and more
- Large buttons and an easy-to-read backlit display
- For use with 2-pipe or 4-pipe fan coil, PTAC, PTHP, or water source heat pump systems, including equipment manufactured by Trane, Amana, Friedrich, and others
- For use with 24 VAC systems or can be wired with a relay board to allow a step-down from a line voltage system
- Ideal for property management and institutional applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry



Basic Specifications:

Input Voltage:	24 VAC
Load Rating:	1.5 amps max per circuit
Comfort Range:	60°F to 85°F
Economy Limits:	Cool 72°F to 99°F
	Heat 41°F to 72°F
Occupancy Sensing:	Passive Infrared
Dimensions:	3.5"W x 5.0"H x 1.5"D

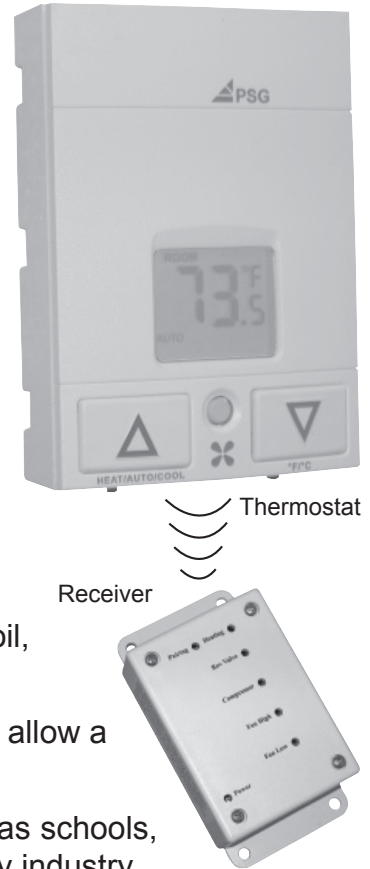
Model #	Description
OS-1	Motion sensing with auto-changeover

*Consult factory for custom options such as conformal coating, tan case, programming options, etc. (Available on orders of 100 pieces or more.)



Nepra Wireless For Fan Coil, PTAC, PTHP, and Water Source Heat Pump Applications

- Wall mounted thermostat option without the hassle of running wires
- Many field configurable options provide flexibility, including (but not limited to):
 - ✓ user-selectable, constant, or auto fan control
 - ✓ 1- or 2- speed fan
 - ✓ PTAC & PTHP manufacturer settings
 - ✓ default setpoint
 - ✓ comfort limits
 - ✓ economy settings
 - ✓ cycle rate
- Large buttons and an easy-to-read backlit display
- Manual system changeover - Heat/Auto/Cool switch
- For use with most HVAC systems, including 2-pipe or 4-pipe fan coil, PTAC, PTHP, and water source heat pump
- For use with 24 VAC systems or can be wired with a relay board to allow a step-down from a line voltage system
- Ideal for property management and institutional applications such as schools, hospitals, condominiums, and apartments, as well as the hospitality industry



Basic Thermostat Specifications:

Power: 2 C-cell batteries (3V total)
 Comfort Range: 60°F to 85°F
 Dimensions: 3.5"W x 5.0"H x 1.5"D

Basic Receiver Specifications:

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

Model #	Fan Control (Default)
RF-U	User-selectable
*Includes both thermostat and receiver	



Freedom Series Digital All-in-One Programmable and Non-Programmable Thermostats

- Configurable for either auto-changeover or manual heat/cool operation
- Independent heating and cooling cycle rates
- Multiple lockout levels
- Large backlit display
- ServiceWatch® reminders
- Ideal for property management applications such as schools, condominiums, and apartments, as well as light commercial and standard residential applications



***Contractor's logo here!
Custom imprinting available.**

Programmable models

- Offer flexibility: 7-day, 5-2, or 5-1-1
- For use with heating and/or cooling for single or multi-stage gas, oil, electric, heat pump, or dual fuel systems
- Remote sensing capability (sensors sold separately ‡)
- Advanced Performance Technology - allows system to gradually change the temperature from the energy saving setback temperature to the comfort temperature, which saves on energy costs
- Commercial model offers programmable fan

Non-programmable model

- One-touch economy mode
- For use with heating and/or cooling for single stage gas, oil, electric, or heat pump systems

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 amp max per circuit
Comfort temperature range:	40° to 90°F
Programming modes:	7-day, 5-2, or 5-1-1
	Programmable fan on FP810C only
Display:	LCD; 0.6" characters; EL blue/green backlight
Dimensions:	6"W x 4"H x 1.5"D
Warranty:	Extended 2 year (non-prog) or 5 year (prog)

Model

Description

FP800	Programmable; White
FP800-B	Programmable; Black
FP810C	Programmable; Commercial; White
F100	Non-programmable; White

‡Remote sensors sold separately. See Accessories on page 13.



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

Medallion Series Digital Single Stage Programmable and Non-Programmable Thermostats

- Large easy-to-read display
- Simple to use
- Programmable and non-programmable models available
- Programmable models only - up to four events (Wake, Leave, Return, and Sleep), with the ability to disable the middle two events for the weekend
- For use with gas, oil, electric, and heat pump
- Ideal for primary residential, multi-family, and light commercial applications



Basic Specifications:

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

Model #	Stages	Power	System Switches	Fan Switches	Other Features
Single Stage Programmable (dimensions 5.0"W x 5.0"H x 1.2"D)					
TDMP24-AH11	1 CL/1 HT	Battery	CL/Off/HT	Auto/On	
TDMP24-AH11-M3F	1 CL/1 HT	Hardwired	CL/Off/HT	Auto/On	Backlit; 3-Speed Fan Control
Single Stage Non-Programmable (dimensions 2.9"W x 2.9"H x 1.2"D)					
TDM24-AH11	1 CL/1 HT	Battery	CL/Off/HT	Auto/On	

Medallion series thermostats are not made in the USA.

Radiant Series Digital Line Voltage Programmable and Non-Programmable Thermostats

- Configurable temperature limiting
- Large easy-to-read display
- 5-1-1 programming on programmable models allows the user to set up to four events per day (Wake, Leave, Return, and Sleep) with separate programming for weekends
- Models available:
 - ✓ 120 VAC single pole, 240 VAC single pole, or 240 VAC double pole
 - ✓ Heat only or cool only
 - ✓ Programmable or non-programmable
- For use with baseboard electric heat, radiant heat zone valves, infrared heaters, exhaust fans, and line voltage air conditioning
- Ideal for property management applications such as apartments, condos, and student housing




Basic Specifications:

Input Voltage: 120 or 240 VAC
(depending on model)

Load Rating: 16 amps (resistive) or 1/2 hp

Comfort Range: 40° to 85°F

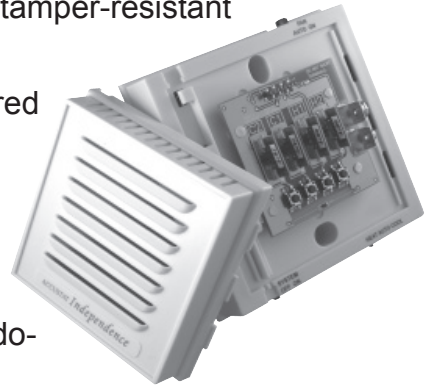
Dimensions: 3.5"W x 5.0"H x 1.5"D

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

ACCUSTAT® Independence Series Tamper-Resistant Mercury Free Thermostats

- A mercury free option for applications needing a control with a tamper-resistant locking case with fixed temperature setpoints
- Preset electronic fixed temperature setpoints maintain desired comfort settings
- For use with low voltage single stage, multi-stage, and heat pump systems
- Ideal for commercial applications, such as warehouses and fast food restaurants, or residential applications, such as condominiums or other managed properties



Basic Specifications:

Input Voltage:	20-32 VAC
Load Rating:	1 amp max per circuit, 80mA for energy harvesting
Sensing:	Preset plug-in setpoints (sold separately)
Dimensions:	4.6"W x 4.6"H x 1.5"D



Model #	Stages	Setpoints Required
---------	--------	--------------------

Single Stage

ES-A1	1 CL	1
ES-H1	1 HT	1
ES-AH11	1 CL/1 HT	2
ES-A2	1 CL (hi/lo)	2
ES-H2	1 HT (hi/lo)	2
ES-AH22	1 CL/1 HT (hi/lo)	4

Universal Multi-Stage

ES-U	Universal	up to 4
------	-----------	---------

*Setpoints (sold separately) are required for correct operation, see below. See page 11 for additional accessories.

ACCUSTAT® Independence Electronic Preset Plug-in Setpoints

(for use in PSG ACCUSTAT® Independence series models only)

Model #			
T-40 (40°F)	T-62 (62°F)	T-70 (70°F)	T-78 (78°F)
T-45 (45°F)	T-64 (64°F)	T-72 (72°F)	T-80 (80°F)
T-50 (50°F)	T-65 (65°F)	T-74 (74°F)	
T-55 (55°F)	T-66 (66°F)	T-75 (75°F)	
T-60 (60°F)	T-68 (68°F)	T-76 (76°F)	

A crossover chart from the ACCUSTAT® Original models to the Independence models can be found on the next page.

ACCUSTAT® Independence Series Crossover Chart

Use the following chart to help cross over from the ACCUSTAT® Original models (that use the ACCUTHERM® sensors) to the new electronic **mercury free** Independence series.

ACCUSTAT® Independence Model #	Description	Replaces ACCUSTAT® Original Model #
ES-A1	single stage cool only	LA-1
ES-H1	single stage heat only	LH-1
ES-AH11	single stage heat/cool - manual changeover	LAH-11
ES-A2	single stage cool only with hi/lo switch	LA-2
ES-H2	single stage heat only with hi/lo switch	LH-2
ES-AH22	single stage heat/cool with hi/lo switch - manual changeover	LAH-22
ES-U	universal with auto-changeover for single stage, multi-stage, & heat pump	LMS-AH11, LMS-A2, LMS-H2, LMS-AH21, LMS-AH22, LMS-AH22IF, LHP-AH22
T-xx	Electronic preset fixed temperature set-points, where 'xx' indicates the temperature in °F (see previous page)	S-40, S-45, S-50, S-55, S-60, S-62, S-64, S-65, S-66, S-68, S-70, S-72, S-74, S-75, S-76, S-78, S-80

Please note that the ACCUTHERM® sensors (p/n S-xx and AS-90) and the electronic setpoints (p/n T-xx) are not interchangeable. The electronic setpoints must be used with the Independence series, and the ACCUTHERM® sensors must be used with the Original series.



The sale of mercury bearing thermostats has been restricted in certain states, making the ACCUSTAT® Independence an ideal choice. Following is a list of those states affected as of the printing of this catalog:

California	Maine	Montana	Pennsylvania
Connecticut	Maryland	New Hampshire	Rhode Island
Illinois	Massachusetts	New York	Vermont
Iowa	Michigan	Ohio	Washington
Louisiana	Minnesota	Oregon	

E-ACCUSTAT® II Series Tamper-Resistant Thermostats with Electronic Sensing

- Electronic sensing housed in a tamper-resistant locking case
- For use with single or multi-stage heat/cool systems
- Ideal for commercial applications, such as warehouses and fast food restaurants, or residential applications, such as condominiums and other managed properties



Basic Specifications:

Input Voltage: 24 VAC ±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 1.5"D



Model #	Stages
LEMS2-AH11	1 CL/1 HT
LEMS2-AH22	2 CL/2 HT

ACCUSTAT®, E-ACCUSTAT® II, and ACCUSTAT® Independence Accessories

Model #	Description
CP-012	ACCUSTAT® replacement cover
CP-012E	E-ACCUSTAT® replacement cover
CP-012I	ACCUSTAT® Independence replacement cover
CP-013	Locking pin (all ACCUSTAT® models)
CP-014	Key (all ACCUSTAT® models)
T24-7	Timer 7 Day - 24 VAC

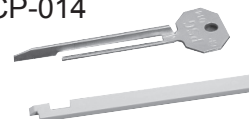


CP-012



T24-7

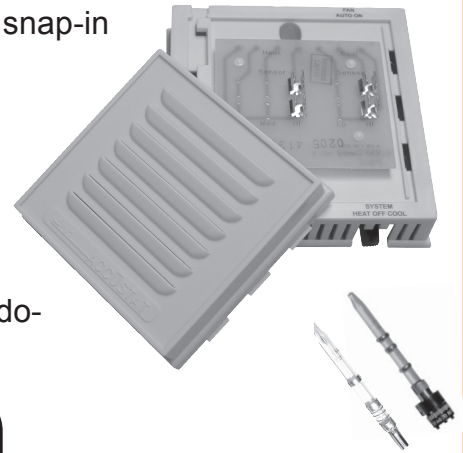
CP-014



CP-013

ACCUSTAT® Original Series Tamper-Resistant Thermostats

- Precise temperature control using PSG's ACCUTHERM® snap-in sensors (sold separately).
- Tamper-resistant locking case
- For use with low voltage single stage, multi-stage, and heat pump systems
- Ideal for commercial applications, such as warehouses and fast food restaurants, or residential applications, such as condominiums and other managed properties



Basic Specifications:

Input Voltage: 18-26 VAC
 Load Rating: 1 amp per stage
 Sensing: Preset ACCUTHERM® snap-in sensors (sold separately)
 Dimensions: 4.6"W x 4.6"H x 1.5"D

Model #	Stages	Sensors Required‡
Low Voltage 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 Elec. HT	2
LMS-AH11	1 CL/1 HT	2
Low Voltage Multi-Stage		
LMS-A2	2 CL	2
LMS-AH22	2 CL/2 HT	4
Low Voltage Heat Pump		
LHP-AH22	1 CL/2 HT	4

‡ACCUTHERM® sensors (sold separately) are required for correct operation, see below.



ACCUTHERM® Preset and Adjustable Snap-in Sensors (for use in ACCUSTAT® Original series models only)

Model #			
Preset			Adjustable AS-90 (40-90°F)
S-40 (40°F)	S-64 (64°F)	S-74 (74°F)	
S-45 (45°F)	S-65 (65°F)	S-75 (75°F)	
S-50 (50°F)	S-66 (66°F)	S-76 (76°F)	
S-55 (55°F)	S-68 (68°F)	S-78 (78°F)	
S-60 (60°F)	S-70 (70°F)	S-80 (80°F)	
S-62 (62°F)	S-72 (72°F)		




Note:
 The ACCUTHERM® sensors contain mercury in a sealed tube. Do not place in the household trash. For more information on recycling and proper disposal, visit TRC's website at www.thermostat-recycle.org or contact your local waste management authority.

Digital Thermostat Accessories

Nepra Series Accessories

Model #	Description	Comments
SB-1*	Subbase for Nepra 4000, 4505, Occupancy Sensing, and Wireless (also works with Radiant Series)	Plastic
P-SB*	Subbase for Premier	Plastic
P-AK-1	Aquastat kit for Premier	"-RS" models only
P-RS	Remote sensor for Premier	"-RS" models only
KF-1	Programming FOB tool for Nepra 4505 & Occupancy Sensing	


* All subbases are left/right reversible.








Freedom Series Accessories

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



Medallion Series Accessories

Model #	Description
BP-TDM1	Mounting backplate for non-programmable models
BP-TDM2	Mounting plate for programmable models

BP-TDM1 backplate is not made in the USA.

Pocket Thermometers Dial and Digital Thermometers

- Dial models available in two sizes and two temperature ranges
- Digital model features a swivel head and a 15 second automatic update with an instant update button
- Ideal for industrial applications

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*



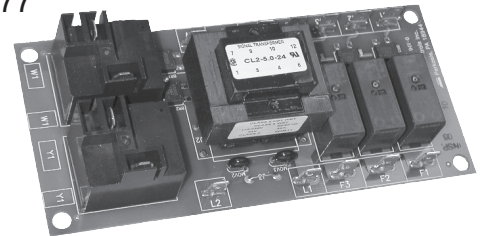
* Battery life is good for approximately 2 years of continuous use. Please note, unit does not turn off.

Model #	Temperature Range
Dial	
1" Econo-Therm	
ET-160	-40/+160°F
ET-220	0/+220°F
1-3/4" Pocket Bimetal	
D-5009	0/+220°F (-10/+100°C)
Digital	
KwikTherm®	
PAD-300	-50/+300°F

Dial thermometers are not made in the USA.


Relay Control Boards General Purpose Relay Control Boards

- Available for both 2- and 3-speed fan applications in 120 and 277 VAC, and for 3-speed fan applications in 208/240 VAC
- Includes two independent 20 amp relays and a Class II transformer for low voltage controls



Model #	Description	Load Rating	Voltage	Comments
General purpose relay board 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-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:

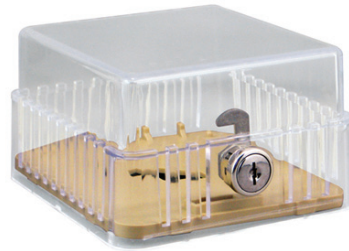
- All 120-240 VAC models are UL listed. 
- Contact factory for information regarding relay control boards requiring custom configurations. (Available on orders of 100 pieces or more)



Thermostat Guards

Plastic Locking Thermostat Covers

- Rugged thermostat protection
- Hi-impact plastic
- Ring and solid base included where listed
- Vertical or horizontal mount
- Mounting hardware included
- One key included per unit



Model #	Inside Dimensions	For use with
BTGUK2	Solid Base: 8 1/4" H x 5 3/8" W x 3 1/2" D Ring Base: 8 1/8" H x 4 5/8" W x 3 5/8" D	Honeywell: T7300, T7400, T8082, T8085, T8100, T8200, T8300, T8600, YB024, Y8085; Robertshaw: 300 series; White Rodgers: 1F72-20, 1F90-1
BTGK	Solid Base: 5 1/4" H x 4 3/8" W x 3" D Ring Base: 5 1/4" H x 4 5/8" W x 3 1/4" D	Barbara-Coleman: All models except dual microtherm; Honeywell: T26, TS87, T222; Robertshaw: TH200, TX400, TA500, TH500, TX550, TH570, TH57
BTGRK	Solid Base: 6 3/8" H x 3 1/2" W x 3" D Ring Base: 6 3/8" H x 3 1/2" W x 3 1/4" D	Barbara-Coleman: All models except dual microtherm; Honeywell: T26A, T4A, TA42, TS86, T87, T92, T498, T800, T822, T834, T872, T822, T921
BTGEK	Solid Base: 3 7/8" H x 3 1/2" W x 2 1/2" D	Honeywell: T26, T87, TS86, T832, T853, TP910, TP970, TP971, TP972, TP973; Robertshaw: TH200, TX400, TA500, TH500, TX550, TP2210, TP2212, TP2214, TP2216, TP2218; Johnson: T4002, T4003, T4502

Thermostat guards are not made in the USA.

Thermostat Guards

Metal Locking Thermostat Covers

- Rugged thermostat protection
- 18-2 gauge steel, baked enamel or powder coated
- Vertical or horizontal mount
- Mounting hardware included
- One key included per unit








Model #	Inside Dimensions	For use with
BTGUWM	Ring Base: 6 3/4" H x 4 1/2" W x 3 9/16" D	Honeywell: T7300, T7400, T8082, T8085, T8100, T8200, T8300, T8600, YB024, Y8085; Robertshaw: 300 series; White Rodgers: 1F72-20, 1F90-1
BTGKWM	Ring Base: 5 1/4" H x 4 5/8" W x 3 1/4" D Solid Base: 5 1/4" H x 4 3/8" W x 3" D	Barbara-Coleman: All models except dual microtherm; Honeywell: T26, TS87, T222; Robertshaw: TH200, TX400, TA500, TH500, TX550, TH570, TH57
BTG54VL	Solid Base: 6 1/4" H x 4 3/4" W x 3" D	Barbara-Coleman: All models except dual microtherm; Honeywell: T26A, T42, T87, T92, T631, T651, T872, T874, T882, T921, T6051
BTG54VLW	Ring Base: 6 1/8" H x 3 13/16" W x 3" D	Barbara-Coleman: All models except dual microtherm; Honeywell: T26A, T42, T87, T92, T651, T872, T874, T882, T921, T6051; Robertshaw: TH200
BTGEM	Solid Base: 3 7/8" H x 3 1/2" W x 2 1/2" D	Honeywell: T26, T87, TS86, T832, T853, TP910, TP970, TP971, TP972, TP973; Robertshaw: TH200, TX400, TA500, TH500, TX550, TP2210, TP2212, TP2214, TP2216, TP2218; Johnson: T4002, T4003, T4502

Thermostat guards are not made in the USA.

Thermostat Reference Guides






NEPRA FAN COIL, PTAC, AND PTHP CONTROLS

Available Features (depending on model)

	24 VAC	120/240/ 277 VAC	Field Configurable	Fan Speeds	Setback Capability	Remote Sensing	User-Selectable Fan	Constant Fan	Auto Fan	Fan Coil or PTAC/PTHP	Made in the USA
Neptra Premier 	x	x	x	1, 2, 3	x	x	x	x	x	FC/PTAC/ PTHP	x
Neptra 4000 	x	x	x	2	Custom	Custom	x	x	x	FC	x
Neptra 4505 	x		x	2	Custom	Custom	x	x	x	PTAC/PTHP	x
Neptra Wireless 	x		x	1, 2	Custom	Custom	x	x	x	FC/PTAC/ PTHP	x
Neptra Occupancy Sensing 	x		x	1,2,3	x	x	x	x	x	FC/PTAC/ PTHP	x

DIGITAL RESIDENTIAL AND LIGHT COMMERCIAL CONTROLS


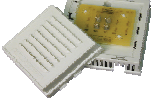


Available Features (depending on model)

	Programmable	Non- Programmable	Multi Stage	Single Stage	Heat Pump (air to air)	Heat Only	Cool Only	Heat/ Cool	Programmable Fan	Power	Remote Sensing Capability	Backlight	Manual Changeover	Auto Changeover	Made in the USA
Freedom Advantage 	x	x	x	x	x	x	x	x		Battery w/ Optional Common Wire	x	x	x	x	x
Freedom Commercial 	x	x	x	x	x	x	x	x	x	Battery w/ Optional Common Wire	x	x	x	x	x
Freedom Classic 		x		x	x	x	x			Battery w/ Optional Common Wire		x	x	x	x
Medallion Series 	x	x		x				x		Battery or Hardwired		x	x		
Radiant Series 	x	x		x		x	x			120 or 240 VAC					x

Thermostat Reference Guides

TAMPER-RESISTANT LOW VOLTAGE NON-DIGITAL CONTROLS

Available Features (depending on model)

	Multi Stage	Single Stage	Heat Pump (air to air)	Heat Only	Cool Only	Heat/ Cool	Uses AccuTherm® Sensors	Manual Changeover	Auto Changeover	Made in the USA
Accustat® Independence - Mercury Free 	x	x	x	x	x	x		x	x	x
Accustat® Low Voltage Single Stage 		x		x	x	x	x	x	x	x
Accustat® Low Voltage Multi Stage 	x		x	x	x	x		x	x	
E-Accustat® II 	x	x				x		x	x	x

Custom OEM Manufacturing

While PSG continues to design and develop standard products for the HVAC marketplace, opportunities exist for custom designs as well. PSG's design, engineering, and manufacturing capabilities are ideal for customers who have specialized product needs, such as equipment manufacturers, energy management system providers, and hospitality and property managers. We specialize in lower volume custom projects that still require the expertise and experience of our Engineering and Production Teams.

Founded in 1962, PSG has a long history of providing high quality, innovative products for the HVAC/R industry, and that tradition continues today. Our Engineering Team can design specialized PC board layouts, as well as develop customized software to match any control requirements. Our Engineering and QC Teams also handle regulatory approvals, including the design and fabrication of the appropriate testing equipment, software, and procedures to ensure the quality of every product before it ships.

For more information about PSG's Custom OEM Manufacturing capabilities, please call our Customer Service Department at 800-782-8412.



Design

- Design for specific customer needs
- Engineer for unit test
- Create client-approved vendor list
- Design package layout and final ship pack
- Assist with regulatory approvals

Build

- Handle both large and small volumes
- Provide cost reduction suggestions
- Complete 100% final test

Ship

- Utilize system integration
- Order fulfillment
- Provide logistics support
- Offer direct ship to end customer

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 "Wholesale Distribution" tab on the menu bar.
- 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 (215-257-3621 or 800-782-8412) or email (sales@psgcontrols.com). A current price list can also be requested.

Samples

- Product samples are available for a charge. Please contact your local distributor or PSG's Customer Service for details.

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 800-782-8412) or email (sales@psgcontrols.com).



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