

## ET5 Series - Line Voltage



### Features

- Single pole and double pole
- Heat only, cool only, & heat or cool
- DP models include positive off
- Celsius and Fahrenheit temperature scale
- Heating: 22A @120-277VAC resistive
- Cooling: 3/4HP @ 125VAC / 1.5HP @ 250/277 VAC
- Range: 50-90°F (unless otherwise noted)
- Made in U.S.A.

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	RANGE	THERMO.	CONNECTIONS
05387202	AET5DWS*	DPST Heat Only	50-90°F	No	Wire Leads
05387302	AET5SWS*	SPST Heat Only	50-90°F	No	Wire Leads
05388802	ET5DS	DPST Heat Only	50-90°F	No	Terminals
05387402	ET5D4S	DPST Heat Only	35-75°F	No	Terminals
05387502	ET5DTS	DPST Heat Only	50-90°F	Yes	Terminals
05387602	ET5DWS	DPST Heat Only	50-90°F	No	Wire Leads
05387702	ET5MS	2 Stage Heat Only	50-90°F	No	Terminals
05387802	ET5SS	SPST Heat Only	50-90°F	No	Terminals
05387902	ET5S4S	SPST Heat Only	35-75°F	Yes	Terminals
05388002	ET5SRS	SPST Cool Only	50-90°F	No	Terminals
05388902	ET5SRTS	SPST Cool Only	50-90°F	Yes	Terminals
05388102	ET5STS	SPST Heat Only	50-90°F	Yes	Terminals
05388202	ET5SWS	SPST Heat Only	50-90°F	No	Wire Leads
05388302	ETD5MS	2 Stage Heat, 1 Stg Cool	50-90°F	No	Terminals
05388402	ETD5MTS	2 Stage Heat, 1 Stg Cool	50-90°F	Yes	Terminals
05388502	ETD5SS	SPDT Heat or Cool	50-90°F	No	Terminals
05388602	ETD5STS	SPDT Heat or Cool	50-90°F	Yes	Terminals

\* indicates anticipated models

## ET9 Series - Line Voltage



### Features

- Single pole and double pole
- Heat only, cool only, & heat or cool
- DP models include positive off
- Celsius and Fahrenheit temperature scale
- Thermometer standard
- Heating: 22A @120-277VAC resistive
- Cooling: 3/4HP @ 125VAC / 1.5HP @ 250/277 VAC
- Range: 50-90°F (unless otherwise noted)
- Imported to TPI Specifications.

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	RANGE	CONNECTIONS	POS. OFF
05238302	AET9DWTS*	DPST Heat Only	50-90°F	Wire Leads	Yes
05238402	AET9SWTS*	SPST Heat Only	50-90°F	Wire Leads	No
05238502	ET9DTS	DPST Heat Only	50-90°F	Terminals	Yes
05238602	ET9D4TS	DPST Heat Only	35-75°F	Terminals	Yes
05238702	ET9DWTS	DPST Heat Only	50-90°F	Wire Leads	Yes
05238802	ET9MTS	2 Stage Heat Only	50-90°F	Terminals	No
05238902	ET9STS	SPST Heat Only	50-90°F	Terminals	No
05239002	ET9S4TS	SPST Heat Only	35-75°F	Terminals	No
05239102	ET9SRTS	SPST Cool Only	50-90°F	Terminals	No
05239202	ET9SWTS	SPST Heat Only	50-90°F	Wire Leads	No
05239302	ETD9MTS	2 Stage Heat, 1 Stg Cool	50-90°F	Terminals	No
05239402	ETD9STS	SPDT Heat or Cool	50-90°F	Terminals	No

\* indicates anticipated models

## EPET Series and HLT Series Hazardous Location



### Features

- SPDT & DPDT Models
- Heat or cool compatible
- Celsius and Fahrenheit temperature scale
- Bi-Metal or capillary sensor
- Snap action switch
- Casting tapped top and bottom for 3/4" conduit
- 1/2" thick cast aluminum housing
- All EPET/T1/T2 optional thermostats manufactured with anti-static plastic
- Dimension 5.75" x 6.375" x 5.57"
- Made in U.S.A.

Motor Rating (full load): 3/4 HP @ 125V, 1-1/2 HP @250V  
Pilot Duty Rating 125VA @ 24VAC  
NEMA Class Seven Div. 1 Approved  
Class I Group C & D, Class II Group E, F, & G  
Not rated for Group B

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	LOAD RATINGS	RANGE
05380702	EPETD8D	DPDT - Bi-Metal	22A @120-277VAC	50-90°F
05381002	EPETD8S	SPDT - Bi-Metal	22A @120-277VAC	50-90°F
05280702	EPETP8D	DPDT - Bi-Metal	22A @120-480VAC	50-90°F
05280602	EPETP8S	SPDT - Bi-Metal	22A @120-480VAC	50-90°F
05231502	HLT-1	SPDT - Capillary	22A @120-277VAC	40-110°F
05231602	HLT-2	DPDT - Capillary	22A @120-277VAC	40-110°F
Master ctn: 4 pcs, 24 lbs (varies slightly by model), 16" x 14.5" x 6"				
EPET Series incorporate plastic knob & Bi-Metal Sensor housing.				
HLT Series incorporates screwdriver temperature adjustment slot and all metal housing. External bulb and capillary sensor.				

## 2000 Series - Line Voltage



### Features

- Shadow White or Ivory
- Single pole and double pole
- DP models include positive off
- 22 Amps, 277 Volts AC
- Heat Only / Range: 50-90°F
- Imported to TPI Corporation specifications
- Compliant with RoHS2 Directive (2011/65/EU), that of which includes the application exemptions outlined in Annex III of the directive.

MFG CATALOG NUMBER	MFG MODEL NUMBER	COLOR	DESCRIPTION
05028402	S2022H10AA	Shadow White	Single Pole with leads, 22 Amp
05024302	S2022H10AB	Ivory	
05028502	D2022H10BA	Shadow White	Double pole with leads, 22 Amp
05024402	D2022H10BB	Ivory	
05029102	S2025H10AA	Shadow White	Single Pole with leads, 25 Amp
05029202	D2025H10BA	Shadow White	Double pole with leads, 25 Amp

## TW Series



### Features

- Single and double pole models
- Wire leads
- Tamper resistant
- Imported to TPI Corporation specifications
- Compliant with RoHS2 Directive (2011/65/EU), that of which includes the application exemptions outlined in Annex III of the directive.

### Load Rating

- 22 Amps resistive @ 120 VAC
- 18 Amps resistive @ 277 VAC

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	TEMPERATURE SCALE
05020002	TW145	SP, Beige with Leads	Tamper Resistant / 50-90°F
05020102	TW146	DP, Beige with Leads	Tamper Resistant / 50-90°F

Master Carton: 25 Pcs, 12 lbs. (varies slightly by model), 16" x 14" x 5.5"

## Washdown Series



### Features

- Single and double pole models
- Rain tight NEMA 4X rating
- Stainless steel hardware
- Coil capillary temperature sensor
- Made in U.S.A. with domestic and foreign components.

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	TEMPERATURE SCALE
05234202	TW155A	SP, Rain tight	40-110°F
05234302	TW255A	DP, Rain tight	40-110°F

22 Amps @ 120/250/277 VAC, 5" x 5" x 3" Case

## Industrial Series



### Features

- Coil capillary (CKT) models
- Bi-Metal models (KT)
- Rugged steel case
- SPST & SDPT models
- Imported to TPI Corporation specifications
- Compliant with RoHS2 Directive (2011/65/EU), that of which includes the application exemptions outlined in Annex III of the directive. (KT models only)
- Hard wired models rated for 22A resistive @125-250 VAC
- Corded models rated for 13A resistive @125VAC

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	RANGE	CONNECTIONS	SCALE
05340402	CKTD110	SPDT Heat or Cool	40 - 110°F	Wire Leads	F
05340802	KT110	SPST Heat Only	-10 - 100°F	Wire Leads	C & F
05341002	KT121	SPST Heat Only	-10 - 100°F	6' Cord/Plug	C & F
05341702	KTD110	SPDT Heat or Cool	-10 - 100°F	Wire Leads	C & F
05343602	KTO110	SPST Cool Only	-10 - 100°F	Wire Leads	C & F
05342102	KTO121	SPST Cool Only	-10 - 100°F	6' Cord/Plug	C & F

Master Carton: 13.75" x 14" x 9", Qty 9-12, 14lbs.-16lbs. depending on model

## LB Series - Bi-Metal In-Built Thermostats



LB110



LB210



### Features

- Bi-Metal sensor
- HP Ratings: 3/4HP @ 125 VAC - 1.5HP @ 250-277 VAC
- 22 Amps resistive max

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	RANGE	CONNECTIONS
05361302	LB110	SPST Heat Only	120-277 VAC	0 - 110°F	6" - 14 Gauge Leads
05362002	LB210	DPST Heat Only			6" - 14 Gauge Leads
Master Carton: 16" x 14.5" x 6", Qty 25-50, 11lbs.-14lbs. depending on model.					

## LR Series - Bi-Metal Outdoor Thermostats



LRD100A



### Features

- Bi-Metal sensor
- HP Ratings: 3/4HP @ 125 VAC - 1.5HP @ 250-277 VAC
- 22 Amps resistive max

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	RANGE	CONNECTIONS
05363002	LRD100A	SPDT Heat/Cool	120-277 VAC	0 - 110°F	6" - 14 Gauge Leads
Master Carton: 16" x 14.5" x 6", Qty 50, 15lbs.-16lbs. depending on model.					

## RH Series - Air Flow / Differential Pressure Switch Controls



RH1505D0



RH3, RH35, RH3A



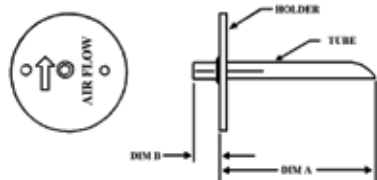
### Features

- Senses pressure or vacuum
- Adjustable or fixed pressure
- Compliant with RoHS2 Directive (2011/65/EU), that of which includes the application exemptions outlined in Annex III of the directive.
- Automatic reset
- Tube, barbed, or compression fittings

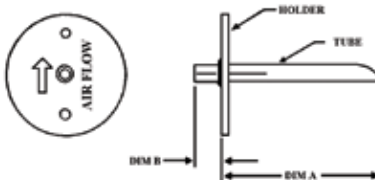
MFG CATALOG NUMBER	MFG MODEL NUMBER	PRESSURE SET	VOLTAGE	RANGE	CONNECTIONS
05460702	RH1505D0	Fixed	120-277 VAC	0.05" WC	Tube (both sides)
05462102	RH3	Adjustable		0.05" - 12" WC	Barbed (both sides)
05462302	RH35	Adjustable		0.05" - 2.0" WC	Barbed (both sides)
05463102	RH3A	Adjustable		0.05" - 12" WC	Compression (both sides)
Master Carton (RH1505D0): 25.5" x 17.75" x 13.5", Qty 48, 36lbs Master Carton (RH3, RH35, RH3A): 15.25" x 15" x 14", Qty 24, 28-32lbs depending on model.					

## Pilot Tubes (for RH Series Air Flow / Differential Pressure Switch Controls)

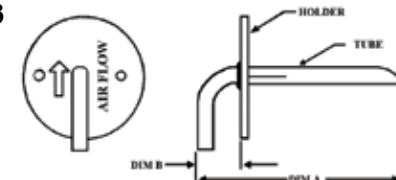
1



2



3



MFG CATALOG NUMBER	MFG MODEL NUMBER	"A" DIMENSION	"B" DIMENSION	FIGURE #
94227000	61-01730-00	4.29"	0.69"	1
94227003	61-01730-003	6.69"	0.69"	1
94228000	61-01729-00	4.00"	0.50"	2
94228020	61-01729-20	2.00"	0.50"	2
94228021	61-01729-21	1.50"	0.50"	2
94228022	61-01729-22	6.00"	0.50"	2
94228027	61-01729-27	3.50"	0.50"	3

# Thermostats & Controls

## Electromechanical De-Humidistat



### Features

- 7.5 amp @ 125VAC
- 3.75 amp @ 240VAC
- 50VA @ 24VAC - 240VAC
- 20% - 80% relative humidity range

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION
05390602	H46C116	Dehumidistat/Electromechanical

## Wireless RF Interface Series



RFT-1 shown with  
UT thermostat



RFR



RFT

### Features

- Heat only, Cool only / 4 wire Heat/Cool
- Standard 2 stage Heat/ 1 Stage Cool Heat Pumps
- Multistage heating and/or cooling equipment
- Made in U.S.A. with domestic and foreign components
- Works with most low voltage thermostats
- Max Operating Range: 50 Feet

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	CONNECTION
05235502	RFT-1	RF Thermostat Transmitter Dim: 4" x 5" x .875"	2-AAA Batteries	6 Wires
05235602	RFR-5	RF Relay Interface Dim: 4.5" x 6" x 1.25"	24 VAC	R-C-R1 1-2-3-4-5
05235702	RFRkit-5	RFT-1 & RFR-5 Package	2-AAA 24 VAC	R-C-R1 1-2-3-4-5
05346702	RFR5002	Wireless relay for low voltage systems. Use with SDRF thermostat.	24 VAC	R-C-R1 1-2-3-4-5

## Honeywell Line Voltage Thermostats



T4398A 1021  
Precision Mechanical



### Features

- Heat only thermostats
- Accurate temperature control
- 22 Amp resistive for mechanical models

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	VOLTAGE	DIMENSIONS	DESCRIPTION
05033002	T4398A 1021	120-240	2.875"x4.375"x2.00D	Precision Electric Heating, SPST, 50-80 °F, 22 Amp @ 120-240V 19 Amp @ 277V



TL8230A 1003  
Electronic Programmable



### Features

- Heat only thermostats
- Accurate temperature control
- 16 Amp resistive for electronic models
- Energy Star compliant.

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	VOLTAGE	DIMENSIONS	DESCRIPTION
05033602	TL8230A 1003	240/208	2.70"x4.90"x.90D	Electronic Programmable Line Voltage DPST, 15 Amp, 40-86 °F

# Thermostats & Controls

97

## Low Voltage Programmable Thermostats



TH115-A-024T

### Features

- 7 Day, 4 Settings Per Day
- Control Accuracy +/- 1°F of Setpoint Temp
- Pre-Programmed or Custom Settings
- Backlit Display, Energy Star Compliant

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION
05234002	TH115-A-024T	Heat Only Temp Range:40-86°F Dims:4.89"H x 2.79"W x .91"D



TH147-P

### Features

- 7 Day, 4 Settings Per Day
- Control Accuracy +/- 1°F of Setpoint Temp
- Pre-Programmed or Custom Settings
- Backlit Display, Energy Star Compliant

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION
05235802	TH147-P	7 Day, 4 Settings per Day, Heating/Cooling, 1 Stage Heat/Cool Temp Range Heat:41-82°F, Cool:59-95°F Dims: 5"W x 3"H x 1"D

## 2 Stage Low Voltage Thermostat



TW123

### Features

- 24V single or 2 stage heat and cool
- Gas, oil, or electric with air conditioning.
- Heat only, Heat only with fan, Cool only.
- Battery only, common wire only, or common wire with battery backup.
- System settings - Heat, Off, Cool, Auto, Emergency Heat.
- Dimensions: 3 1/16" H x 5 13/16" W x 1 1/2" D

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	VOLTAGE	TEMP RANGE	MAX AMP
06911102	TW123 / TH5220D	750MV - 2DV	40-90° Heat 50-99° Cool	1.0

## TG Series Thermostat Guards



### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION
05891202	TG1	Plastic Stat Guard/ 6.25" x 4.25" x 3.25" Opening
05891002	TG1B	Metal Stat Guard/ 5.25" x 4.625" x 3" Opening
05891302	TG2	Plastic Stat Guard/ 5.25" x 5.25" x 3.25" Opening
05891102	TG3	Plastic Stat Guard/ 8.125" x 5.37" x 3.25" Opening
05891702	TG3B	Metal Stat Guard/ 6.75" x 4.50" x 3.50" Opening
05236102	TG4	Plastic Stat Guard / 3.75" x 3.937" x 1.75" Opening
05236202	TG5	Plastic Stat Guard / 5" x 3.31" x 1.75" Opening
05236302	TG6	Plastic Stat Guard / 5.75" x 4.625" x 1.75" Opening

### Features

- 8 tumbler locks
- Imported to TPI specifications



## Features

- The SD Series of Clever Comfort Thermostats are self learning setback thermostats designed specifically for commercial and industrial applications. Unlike most setback thermostats this thermostat doesn't require programming. With the use of a motion sensor, it learns your schedule, and changes automatically with schedule changes. Regardless of your schedule, it automatically returns to economy after you leave.
- The Clever Comfort Smart Recovery feature returns the system to the comfort temperature before you arrive. The holiday feature automatically returns to economy setting on any day that no-one shows up.
- Compatible with single and multistage equipment up to 4 stages of Heat, 4 Stages of Cool, or any combination of Heat and Cool up to 4 stages, including 2 Stage Heat, 1 Stage Cool Heat pumps.

**Fully Automatic Setback!  
No Programming!**



SDHW1001

### **SDHW1001: Hardwired Thermostat: Catalog# 05236402:**

The SDHW thermostats are wired directly to the HVAC system. The SDHW1001 model is compatible with 26 types of 24VAC systems. Simply choose your system on setup, apply the corresponding terminal strip label and wire as you would any other thermostat.

### **SDHW1002: E2 Extended Energy Saver Hardwired Thermostat: Catalog# 05347002:**

The SDHW E2 thermostat extends the savings over the standard SDHW1001 by limited temperature ranges, and incorporating a minimum offset of 5 degrees. The SDHW1002 does not allow heat mode temperature settings above 74 degrees or cool mode settings below 72 degrees. This allows employers to give their employees control of the temperature setting while preventing abuse. NOTE: Customized temperature ranges, differentials, dead bands, etc...are available through our SD customization program.

### **SDRF1001: Wireless Thermostat: Catalog# 05236502:**

The SDRF thermostat is wirelessly connected to HVAC system when combined with one of TPI's compatible RF relays. The SDRF1001 when combined with the RFR5002 low voltage relay incorporates all the features and system compatibility of the SDHW1001 thermostat, while allowing the thermostat to be located in the best location. NOTE: The SDRFK5002 incorporates the SDRF1001 thermostat and the RFR5002 relay in a single pre-linked kit.

### **SDRFK5002: Wireless Thermostat Kit: Catalog# 05346902:**

The SDRFK5002 includes both the SDRF thermostat and the compatible RFR5002 Relay in a pre-linked kit. The RFR5002 relay is connected to the HVAC system. The SDRF thermostat can be located in a convenient location without having to run additional wires.

### **RFR5002: Wireless Relay Catalog# 05346702:**

The RFR5002 is the low voltage wireless RF relay to be used with the SDRF thermostat.

### **SDRMT001 Remote Motion and Temperature Sensors: Catalog# 05346802:**

The SDRMT001 incorporates both the motion and temperature sensors for the SD and RSD series of thermostats. The sensors can be remotod up to 25' using 5 conductor shielded wire. Either of the sensors may be used individually without connecting the other.

## Standard Models



MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	CONNECTIONS
05236402	SDHW1001	SD Wired Thermostat	2 AA Batteries or 24VAC	Varies by System
05347002	SDHW1002	Extend Energy Saver Model	2 AA Batteries or 24VAC	Varies by System
05236502	SDRF1001	SD Wireless Thermostat	2 AA Batteries	Wireless
05346902	SDRFK5002	SD Wireless Kit	2 AA & 24VAC	Varies by System
05346702	RFR5002	SD Wireless Relay	24VAC	Varies by System
05346802	SDRMT001	Wired Remote Sensors	Powered from Thermostat	Connects to Stat

We have the ability to customize the SD thermostats in ways that none of our competition can. These customizable capabilities allows us to redefine the thermostat's features for your application. Below are the features that can be customized. Not only can we customize the thermostat, we can offer it in small quantities with minimal setup charge. Contact Customer Service for customization form or more information.

### CUSTOMIZATION OPTIONS

- **System Selection:** The standard SD thermostat incorporates the ability to select between 26 types of HVAC equipment upon setup. With the customization option, you select as many or as few of these systems you want available to the installer.
- **Default System Selection:** Choose which model will be the default model upon installation. The Standard SD thermostat has a default model of #111 which is Single Stage Heat/Cool for Gas heat.
- **Temperature Ranges:** The Heat and Cool temperature ranges are completely independent and can be customized to any ranges between 0-200°F. For example, our E2 Extended Energy model incorporates a Heat Range of 50-74°F and a Cool Range of 72-90°F. The heat can never be set above 74, and the cooling can never be set below 72. (Note: A setting above 120°F requires a remote temperature sensor in controlled area.)
- **Economy Offset Range:** The standard model is adjustable from 0-12°F degrees offset. Both the minimum and maximum settings are adjustable from 0-40°F. For example, our E2 Extended Energy Saving model has a minimum offset of 5°F and a maximum of 15°F.
- **Default Temperature Scale:** Default can be Celsius or Fahrenheit. Regardless of default temperature scale, it can be changed at any time by the user.
- **Set temperature resolution:** Select either 0.5 or 1.0 degrees. Standard model allows for setpoint adjustment in 0.5o increments.
- **Differential:** On and Off setpoints for each stage in relationship to setpoint. All setting are selectable in 0.1 degree resolution.
- **Default Temperature Settings:** Standard model settings are 70 degrees for Heat and 74 degrees for Cool.
- **Deadband Range:** Selectable between 1 and 10 degrees. Select both the minimum and maximum amount that the user will be able to select. Standard model is adjustable between 1-5°F.
- **Default Deadband Setting:** When first installed this is the deadband setting. The standard model has a default of 2 degrees. Note: Default must be within the deadband range selected above. If the range is 4-8, you can't have a default of 2.
- **Comfort Duration Times:** The comfort duration time is how long the thermostat will remain in comfort after motion has been detected. The factory times are: 10, 30, 60, 90, and 120 minutes. Up to 8 settings are available from 10 to 240 minutes (4 hrs).
- **Comfort Duration Default Time:** One of the settings selected above has to be the default. Standard model default is 60 minutes.
- **Maximum Manual Economy Time:** This is the amount of time the thermostat will ignore all motion once the thermostat is manually placed into the economy mode. This gives everyone time to leave the building (area) once manually placed into economy. Standard model has a time of 30 minutes.
- **Protection Delays:** All of the protection delays are adjustable to the second. We currently have a 5 minute compressor protection delay, a 2 minute heat protection delay, and a 2 minute minimum run time. All three are adjustable independently.
- **Columbus Electric Displayed:** This feature can be disabled.

## Features

- The RSD Clever Comfort system for residential applications learns your schedule, and keeps it up to date. No programming involved. On your way out the door, you simply press the Set button on the Keypad to put the system into economy. The RSD system learns when you normally return home, and automatically returns to the comfort setting by the time you return.
- The minimum system includes an RSD thermostat, an RSD Keypad, and the RSD Administrator. The RSDHW-Kit includes the RSDHW thermostat, the RSD Keypad, and the RSD Administrator. The RSDRF Kit, includes the RSDRF Thermostat with pre-linked RFR5 Relay, the RSD Keypad and RSD Administrator. Additional Keypads, Thermostats, and options devices may be added to either system. A total of 10 RSD devices may be linked to a single Administrator.



RSDHW1001

### RSDHW Starter Kit - Catalog# 05347102:

Everything needed for a single zone system is included in this starter package. The RSDHW thermostat is connected to your 24VAC HVAC system. The RSDK Keypad is battery operated and is mounted near the door. The RSDA Administrator is plugged into a standard 120VAC outlet. Additional Keypads, RSD Thermostats, and optional devices may be added to the system. Kit includes pre-linked RSDHW thermostat, RSDK keypad, and RSDA administrator.

### RSDRF Starter Kit - Catalog# 05347202:

Everything needed for a single zone system is included in this starter package. The wireless RSDRF thermostat is connected to your 24VAC HVAC system using the RFR5 Relay. The RSDK Keypad is battery operated and is mounted near the door. The RSDA Administrator is plugged into a standard 120VAC outlet. Additional Keypads, RSD Thermostats, and optional devices may be added to the system. Kit includes pre-linked RSDRF thermostat, RFR5 relay, RSDK keypad, and RSDA administrator.

### RSDHW1001 - Hardwired Thermostat: Catalog# 05237602:

The RSDHW thermostats are wired directly to the HVAC system. The RSDHW1001 model is compatible with 26 types of 24VAC systems. Simply choose your system on setup, apply the corresponding terminal strip label and wire as you would any other thermostat.

### RSDRFK5002 - Wireless Thermostat Kit: Catalog# 05347302:

The RFR5002 relay is connected to the HVAC system. The RSDRF thermostat can be located in a convenient without having to run additional wires. The RSDRFK5002 includes the RSDRF thermostat and compatible RFR5002 relay in a pre-linked kit.

### RSDA1001 - RSD Administrator: Catalog# 05237802:

The RSDA1001 Administrator is included in both starter kits. Only one Administrator may be used for each RSD system. This item should be bought for replacement only.

### RSDK1001 - RSD Keypad Catalog# 05237902:

The RSDK1001 Keypad is where you set your economy periods. Normally mounted next to the main door used to enter and exit the house. Additional Keypad may be added to your RSD system.



RSDHW - KIT



RSDRF - KIT



RSDRFK5002

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	CONNECTIONS
05347102	RSDHW-Kit	Hardwire thermostat starter kit	Varies by component	System connections
05347202	RSDRF-Kit	Wireless thermostat starter kit	Varies by component	System connections
05237602	RSDHW1001	RSD wired thermostat	(2) AA Batteries or 24VAC	Varies by system
05347302	RSDRFK5002	RSD wireless thermostat kit	(2) AA Batteries & 24VAC	Varies by system
05237802	RSDA1001	RSD administrator	120VAC	Wireless
05237902	RSDK1001	RSD keypad	(2) AA Batteries	Wireless



## Optional Control Features

- The RSD Clever Comfort system for residential applications has been designed for expansion. The starter kits on the previous page include the minimal components. Up to 8 additional devices may be added to the starter system. These include additional RSD Thermostats, and RSD Keypads (shown on previous page). Optional devices include the RSDMS1001 Wireless Motion Sensor and the RSDWH1001 Water Heater Control.
- Also available are replacement components. These include the RSDA1001 Administrator, The RSDRF1001 Thermostat, the RFR5002 Wireless relay (for use with either the RSDRF thermostat or the SDRF thermostat), and the SDRMT001 wired remote temperature and motion control (wired to either the SD or RSD thermostats).

### RSDMS1001 - RSD Wireless Remote Motion Sensor: Catalog# 05347402:

The RSDMS1001 wireless remote motion sensor is used wherever people may enter the house other than the main entrance where the Keypad is located. This may include a back door, garage door, etc... Whenever motion is detected at the location, it wirelessly transmits to the system that there is someone home, and if not already in the comfort mode it will switch to comfort.

### RSDWH1001 - RSD Water Heater Control: Catalog# 05347502:

The RSDWH1001 control is wired to your gas or electric water heater to turn it off whenever the system is in the economy mode, and automatically turns on 1/2 hour before the system is scheduled to return to comfort. If used with a gas water heater, an additional 24VAC transformer may be required to power the RSDWH1001. If used with an electric water heater, it must be installed with a separate transformer, and contactor. Note: The RSDWH-240Kit includes a transformer and contractor for use on 208 & 240VAC systems with loads up to 50AMPS.

### RSDWH-240Kit - RSD Water Heater Control for 240VAC Water Heaters: Catalog# 05347602:

The RSDWH-240Kit includes a 208/240VAC transformer and 50 Amp DPST contactor to turn off an electric water heater whenever the system is in the economy mode, and automatically turns on ½ hour before the system is scheduled to return to comfort.

### RSDRF1001 - Wireless Thermostat: Catalog# 05237702:

The SDRF thermostats are wirelessly connected to the HVAC system with use of a TPI compatible RF relay such as the RFR5002 relay below.

### RFR5002 - Wireless Relay: Catalog# 05346702:

The RFR5002 is the low voltage wireless RF relay to be used with the RSDRF thermostat.

### SDRMT001 - Remote Motion and Temperature Sensors: Catalog# 05346802:

The SDRMT001 incorporates both the motion and temperature sensors for the SD and RSD series of thermostats. The sensors can be remoted up to 25' using 5 conductor shielded wire. Either of the sensors may be used individually without connecting the other.

### SDA1001 - SD Administrator: Catalog# 05347702:

The SDA1001 Administrator allows for the residential products to be used for commercial applications. Just like the SD thermostats, if no movement is detected in an hour, it will setback the entire system. Incorporates smart recovery.



MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	CONNECTIONS
05347402	RSDMS1001	Wireless motion sensor	(2) AA Batteries	Wireless
05347502	RSDWH1001	Water heater control	24VAC	4-wire
05347602	RSDWH-240Kit	Electric water heater control	240VAC	4-wire
05237702	RSDRF1001	RSD wireless thermostat	(2) AA Batteries	Wireless
05346702	RFR5002	SD wireless relay	24VAC	Varies by system
05346802	SDRMT001	Wired remote sensors	Powered from thermostat	Connects to thermostat
05347702	SDA1001	Commercial administrator	120VAC	Wireless to system

## UT Series - Low Voltage



### Features

- Vertical or horizontal mounting
- Long life sealed contacts
- Does not contain Mercury
- Leveling not required
- Fahrenheit and Celsius temperature scales
- Compliant with RoHS2 Directive (2011/65/EU), that of which includes the application exemptions outlined in Annex III of the directive.
- 2-3°F rated differential
- Anticipator (except UT9001)
- Imported to TPI Corporation specifications

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	TERMINALS	SWITCHES
05230502	UT1001	Heat Only	24VAC or MV	R & W	None
05230602	UT3001	Cool Only	24 VAC	R, Y & G	Cool/Off Fan/Auto
05230702	UT8001	Heat/Cool	24 VAC	RC, RH, W, Y, & G	Heat/Off/Cool Fan/Auto
05231102	UT9001	Heat Only	Millivolt	R & W	None
Master Carton: 50 pcs, 17 lbs, 19" x 11.5" x 9"					

## RK Series - Low Voltage



### Features

- Heat only models
- Positive off
- 2-3°F rated differential
- Compliant with RoHS2 Directive (2011/65/EU), that of which includes the application exemptions outlined in Annex III of the directive.
- Does not contain Mercury
- Leveling not required
- Long life sealed contacts
- Fahrenheit and Celsius
- Imported to TPI Corporation specifications

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	VOLTAGE	RANGE	ANTICIPATOR
05260102	RK120EAA	Heat Only	24VAC or MV	50°-90°F	Yes
05262002	RK124EAA	Heat Only	24VAC or MV	35°-75°F	Yes
05260502	RK130EAA	Heat Only	Millivolt	50°-90°F	No
05263202	RK134EAA	Heat Only	Millivolt	35°-75°F	No
05261402	RKWP1AA	Wall Plate	NA	NA	NA
Master Carton: 100 Pcs, 24 lbs, 16.5" x 15" x 8"					

## Low Voltage Relays



### Features

- Snap action switch
- 1/2" male conduit spud
- 45 second average time delay
- Temperature range - 50 - 90°F
- Built-In transformer

### Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	PRIMARY VOLTAGE	DESCRIPTION
02600302	24A05A-1	120V	Single Switch, single throw with In-Built Transformer for remote mounting or in a factory provided optional enclosure
02600402	24A05E-1	208V	
02600502	24A01G-3	240V	
02601002	24A06G-1	240V	Two switch, single throw with In-Built Transformer, 25 Amps per switch

Two switch unit shown. Note: 277/24V relay available, consult factory.