











SENSORS for Smart City





DL010 Wireless Air Quality sensor

- Voltage supply: 24VAC/VDC
- Connect with data logger through wireless communication
- Can connect with 0-10V output receiver Measurement:
- Dust particule measuring range: $0-6000\mu g/m^3$
- Detectable particule size: 0.3-10μm

DL01C Wireless CO, sensor

- Voltage supply: 24VAC/VDC
- Connect with data logger through wireless communication
- Can connect with 0-10V output receiver

Measurement:

• CO, measuring range: 400-5000ppm



- 868MHz bi-directional communication • Effective RF range: 50 meters in open
- Pairing with Wifi Data Logger or output receiver

DL01M RF-to-Modbus receiver

- Voltage supply: 24VAC
- Collect data from Temperature, Humidity, CO2, Air Quality and Air Velocity sensors
- Connect with sensor through Modbus communication
- Data is stored on Modbus server so that data can be accessed anywhere
- All settings can be viewed and controlled by Modbus server

DL01T Wireless Temperature sensor

- Voltage supply: 24VAC/VDC
- Connect with data logger through wireless communication
- Can connect with 0-10V output receiver Measurement:

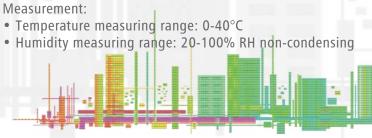
Series

• Temperature measuring range: 0-40°C

DL01H

Wireless Temperature and Humidity sensor

- Voltage supply: 24VAC/VDC
- Connect with data logger through wireless communication
- Can connect with 0-10V output receiver





DL16W | | | Wifi Data Logger

- Voltage supply: 24VAC/VDC
- Collect data from Temperature, Humidity, CO2, Air Quality and Air Velocity sensors
- Connect with sensor through wireless communication
- Can connect with relay output receiver for control
- Maximum 16 devices can be connected
- WiFi connectivity (IEEE 802.11 b/g/n 2.4GHz)
- Data & settings can be viewed and controlled by mobile apps
- Alarm notification on mobile device

























BMS Building Management System

Direct Digital Controller + Room Unit



with Airflow Sensing & Control

TS350/360/370





Touch Screen Thermostat with Modbus RS485

- 2 stages thermostat / heat pump
- RS485 channel Modbus RTU
- Device address (1 127)

LN03 Master LN03 Slave



BACnet I/O Module

- 4 Binary Output (BO)
- 4 Binary Input (BI)
- 4 Universal Analog Output (UAO)
- 4 Universal Analog Input (UAI)

CTB01



BACnet Thermostat with AO 0-10V

- BACnet Application Specific Controller (B-ASC)
- Analog Output (0-10 VDC)
- Analog Input (0-10 VDC / 4-20mA / NTC10k / PT1000 / Ni1000 / digital input)



























 Remote control and monitoring via WiFi connectivity (IEEE 802.11 b/g)
 LCD display: temperature / heat / cool / defrost indicator
 Non-volatile memory save all internal settings Short cycle protection for compressor



TM812 & TM802C / TM800T

WiFi Thermostat with Remote Sensor

- Power Supply: 100-250VAC
- Relay Contact: 250VAC Max
- Selection of Heat / Off / Cool • 7 individual programs: Mon, Tue, Wed,

Thu, Fri, Sat, Sun

• Each program 6 time zones

System

Heat

Auto

On



TM662

I-Color Touch Screen Thermostat

- Display: 3.5" 16 bit RGB color TFT
- System: Heat / Off / Cool
- Separate Heat mode & Cool mode programming
- 7 individual programs: Mon, Tue, Wed, Thu, Fri, Sat, Sun
- Each program 6 time zones









WiFi Touch Screen Thermostat

- Standard Thermostat: 2-stage heat & 2-stage cool
- Heat Pump Thermostat: 3-stage heat &
- 2-stage cool

06: 15

- Gas / Electric Heat selection
- Suitable for duel fuel or electric strip system



Heat Pump/

Em. Heat

√



Fan

NO

Off

On

High

Med

Low

Auto







Fan	
Fan	
NO	
Auto	
Off	
On	
High	
Med	
Low	

TM902

WiFi Touch Screen Thermostat

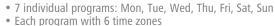
(230VAC)

Defrost °C / °F



24VAC

WiFi Touch Screen 7 days Programmable Thermostat



- Gas / Electric Heat selection
- Standard Thermostat: Max. 2-stage heat / 2-stage cool
- Heat Pump Thermostat: Max. 3-stage heat / 2-stage cool
- TM962: 1-stage heat & 1-stage cool, No Fan



• Standard Thermostat: 1-stage heat or 1-stage cool

Auto On Off Heat Pump/ Em. Heat ✓

System

Heat

Cool









TN962

WiFi 7 days Programmable Thermostat

- 7 individual programs: Mon, Tue, Wed, Thu, Fri, Sat, Sun
- Each program with 6 time zones
- 1-stage heat or 1-stage cool





System	
Heat	1
Cool	1
Auto	
On	
Off	1
Heat Pu	mp
Em. Hea	nt
	,

/		\
	Fan	
	NO	
	Auto	
-	Off	
-	On	
ľ	High	
	Med	
	Low	
/		
/		



WiFi 3-speed Touch Screen Thermostat

- · Selection of binary output or analog output for cooling control
- Adjustable setpoint limit & adjustable control span for binary output control
- · Adjustable P-band for analog output control
- Binary input for occupancy sensor
- Filter usage counter & energy usage counter



System	1
Heat	
Cool 🗸	
Auto	
On	
Off 🗸	
Heat Pump	
Em. Heat	

\	/	
	Fan	
	NO	
	Auto	1
	Off	
	On	
	High	
	Med	1
	Low	









(230VAC)

Defrost



















TOUCH SCREEN THERMOSTAT







24VAC (Programmable)

TM010

Touch Screen Programmable Thermostat / Heat Pump

Voltage: 24 VAC, 50/60 Hz

Rating: 1AProg: 7-Days Programmable • Each program 4 Time Zones

System: Heat / Cool / Auto / Off

• Fan: ON / AUTO









TM062

Touch Screen Programmable Thermostat

Voltage: 230 VAC, 50/60 Hz

• Rating: 8A

• Prog: 7-Days Programmable

• Each program 6 Time Zones

System: Heat / Cool / Off

No Fan



(Programmable)

TS010

Touch Screen Programmable Thermostat / Heat Pump

Voltage: 24 VAC, 50/60 Hz

• Rating: 1A

• Prog: 7-Days Programmable

• Each program 4 Time Zones

EEPROM Memory

System: Heat / Cool / Auto / Off

• Fan: ON / AUTO





TS012

Touch Screen Programmable Thermostat

Voltage: 230 VAC, 50/60 Hz

Rating: 8A

• Prog: 7-Days Programmable

• Each program 4 Time Zones

EEPROM Memory

System: Heat / Cool / Off

No Fan

Touch Screen Programmable Thermostat

Voltage: 24...230 VAC, 50/60 Hz

• Rating: 8A

• Prog: 7-Days Programmable

• 18 individual programs: 8 default programs and 10 user-editable programs

Comfort Mode or Economy Mode

Non-volatile Memory

System: Heat / Cool / Off

No Fan































igoplus

AVANTEL

(Programmable)

LCD 3-SPEED FAN / MODULATING 0-10V / SOLAR / DIN-RAIL / Z-WAVE / CHRONOTHERMOSTAT

LCD 3-Speed Fan Thermostat

TN112



- 230 VAC, 2A
- System: Heat / Off / Cool
- Fan Speed: High / Med / Low / Auto

Solar Thermostat - Water Heating System



- 90...253 VAC, 56/60Hz
- System: Heat Only
- Anti-freeze function, 24 hrs time
- 3 temperature sensors input (1 collector & 2 tanks)
- EEPROM memory

TN122



- 230 VAC, 2A
- System: Heat / Off / Cool & Humidity
- Humidifier / Dehumidifier Control
- Fan Speed: High / Med / Low / Auto

DIN-rail LCD Electronic Thermostat

Z-WAVE LCD Electronic Thermostat



- 230 VAC, 56/60Hz, 16A
- System: Heat (normal-open valve)
- Remote sensor / floor sensor
- Defrost heating function







- 120-230 VAC, 2A System: Cool / Off
- Easy-to-use WiFi connection
- Fan Speed: High / Med / Low / Auto
- 0-10V output for valve control



- 230 VAC, 56/60Hz, 16A
- System: Heat / Cool
- 5-1-1 programmable
- Remote sensor / floor sensor
- Defrost heating function
- Rechargeable battery backup

Modulating 0-10V Output Thermostat

ET102



- 230 VAC, 50/60Hz
- System: Heat / Cool
- Fan: On / Off
- Fan Speed: High / Med / Low



- 230 VAC, 50/60Hz
- System: Heat / Cool / Off
- Fan Speed: High / Med / Low / Auto
- Rating: 1A
- Support heat pump and electrical heat-cool system

ET120



- 24 VAC, 50/60Hz
- 0-10V proportional output
- System: Cool
- Suitable for controlling Modulating type actuators
- Input for occupancy sensor

WT510



Chronothermostat

- 24 VAC, 50/60Hz
- System: Heat / Cool / Off / Auto
- Fan: On / Auto Rating: 1A
- Support heat pump and electrical heat-cool system

ET200/210



24 VAC, 50/60Hz ET200

- System: Heat / Cool
- With 2 Heat or 2 Cool Control
- System: Heat / Off / Cool
- Fan: On / Auto

TG01-D



- Daily Mechanical Clock Thermostat230 VAC, 50/60Hz
- System: Heat Only
- 3 operation modes: Program Mode / Comfort Override Mode / Off Mode
- 24 Hrs, every 15 mins programmable
- Temperature measures every 10 secs

ET220

ET300



- 24 VAC, 50/60Hz System: Heat / Cool Fan: On / Off / Auto
- Fan Speed: High / Med / Low

24 VAC, 50/60Hz
System: Heat / Off / Cool
Fan Speed: High / Med / Low
Selectable 60 - 180sec 3 pt float

actuator/valve travel time

TG01-W



- Weekly Mechanical Clock Thermostat
- 230 VÁC, 50/60Hz
- System: Heat Only
 3 operation modes: Program Mode / Comfort Override Mode / Off Mode
- 24 Hrs, every 15 mins programmable
- Temperature measures every 10 secs

TG02



- LCD Daily Programmable Thermostat
 230 VAC, 50/60Hz
- · System: Heat / Cool
- 24 Hrs programmable
- 3 operation modes: Program Mode / Comfort Override Mode / Off Mode
- Summer / Winter operation

























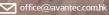
FLOOR HEATING THERMOSTAT

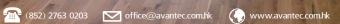
AVANTEC

Product	Model	Prog(days)	System	Feature	Fan	Temperature Control range	Power Supply	Floor Sensor
ET032	ET032		Heater			10-30°C	150-250VAC	3 Meters
ET532	ET532		Heater	Room sensor & Floor sensor		10-40°C	230VAC	3 Meters
ET13	ET130 ET132		Heater/ Cooler			5-35°℃	3.0 VDC (batteries)	3 Meters
ET33/63	ET33~ ET332 ET630 ET63~ ET632		Heater			5-35°C	24/120/ 230VAC	3 Meters
LT23/33 (Programmable)	LT230 LT232	5±1±1	Heater	Room sensor & Floor sensor		5-40°C	3.0 VDC	3 Motors
2 6 8 6 8 6	LT332	5+1+1	Cooler			5-35°C	(batteries)	3 Meters
FH812	FH812		Heater	Easy knob & Power button		0-40°C	230VAC	3 Meters
FH822	FH822		Heater	EEPROM		5-40°C	230VAC	3 Meters
FH832 (Programmable)	FH832	5+2	Heater	EEPROM		5-40°C	230VAC	3 Meters
FH852	FH852		Heater	Touch Screen EEPROM		5-40°C	230VAC	3 Meters
FH862 Programmable	FH862	5+2	Heater	Touch Screen with backup rechargeable battery		5-40°C	230VAC	3 Meters



















IAVANTEE

TEMPERATURE, HUMIDITY CONTROL PLUG / SWITCH PIR / SURGE PROTECTOR / GARDENING / PTAC







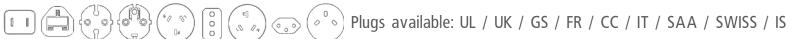












T series		H series				
 Operating temperature 	re: 5-35°C, 0.5°C resolution e: 0-45°C 0VAC (16(3)A) available	 Controlling humidity: 30-90% RH, 1% resolution Operating humidity: 25-95% RH 				
T03	 Programmable Therma Plug 230VAC, 50/60Hz Controlling temperature: 5-35°C, 0.5°C resolution Measurable temperature: 0-40°C 5-1-1 Program, 6 events Memory stores program and settings 	H13	 LCD Hygro Plug 195-253VAC, 50/60Hz Display humidity and On/Off status of humidifier and dehumidifier 			
T30	 Therma Plug 230VAC, 50/60Hz Controlling temperature: -5-25°C, 0.5°C resolution Operating temperature: -20-50°C 	H33/63	 LCD Hygro Plug 120/230VAC, 50/60Hz Controlling humidity: 30-90% RH, 1% RH resolution Measurable humidity: 25-95% RH 			
T33/63	 LCD Heat-Therma Plug 120/230VAC, 50/60Hz Controlling temperature: 5-35°C, 0.5°C resolution Measurable temperature: 0-40°C 	H38/68	 LCD De-Hygro Plug 120/230VAC, 50/60Hz Controlling humidity: 30-90% RH, 1% RH resolution Measurable humidity: 25-95% RH 			
T38/68	• LCD Cool-Therma Plug	Surge Protector				
	 120/230VAC, 50/60Hz Controlling temperature: 5-35°C, 0.5°C resolution Measurable temperature: 0-40°C 	R01/11	Suitable for all 10-16 Amps capacity appliances R01 • 1-mode protection: Live-Neutral R11 • 3-mode protection: Live-Neutral, Neutral-Earth,			
T62	 LCD Heat-Therma Plug 120VAC, 50/60Hz Controlling temperature: 40-95°F Measurable temperature: 30-99°F LCD Thermostat Plug with clip sensor 230VAC, 50/60Hz 	R23/71	Protect all home appliances from ove & under voltage 3-mode protection: Live-Neutral, Neutral-Earth, Live-Earth			
	 °F / °C selection Controlling temperature: 0-49°C / 					
3	32-120°F, 0.5°C / 1°F resolution • Measurable temperature: -5-50°C /	Switch & PIR Mot	ion Detection			
T69	LCD Cool-Therma Plug 120VAC, 50/60Hz Controlling temperature: 40-95°F Measurable temperature: 30-99°F	EF01	 Fan Switch 24250VAC, 50/60Hz Fan Speed: High / Med / Low Operating temperature: 0-40°C 			
		LS113	 PIR Motion Detection Light Switch 230VAC, 50/60Hz 			
PTAC PTAC	• PTAC Thermostat		Loading CFL, LED lighting3, 5, 10 mins delay time selection			
	 230VAC, 50/60Hz System: Heat / Cool / Auto Compressor: 8A, Heater: 21A, Each Fan: 2A Fan: On / Auto EEPROM 	PT010/012	 PIR Motion Detection Thermostat 24/230VAC, 16A resistive load Suitable for mounting on ceiling PIR sensor for detecting room occupancy Controlling temperature: 5-30°C 			





















RF WIRELESS THERMOSTAT "1"

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AVANTEE

Product	Model	Feature	System	Fan	Heat Pump	Frequency	Power Supply	Support Address
TS820/830 Programmable	TS820	Touch Screen, 7 days programm	Heat Cool Off	On Auto		433MHz	Transmitter: 3.0 VDC (batteries)	
08:15 2530 W	TS830	-able with 4 time zones	Heat Em. Heat Cool Off	On Auto	*	4001/11/2	Receiver: 24VAC	
WT530	WT530	5-1-1 Programm -able	Heat Cool Off	On Auto		915MHz	Transmitter: 3.0 VDC (batteries) Receiver: 24VAC	Up to 1024, with 10 poles of dip switch
WT552	WT552		Heat Cool			868/915MHz	Transmitter: 3.0 VDC (batteries) Receiver Plug: 120240VAC •16A: GS/FR/SA/IT/ CCC Plug •13A: UK Plug •15A: UL Plug	of alp switch
WT562	WT562		Heat Cool			868MHz	Transmitter: 3.0 VDC (batteries) Receiver: 230VAC	Up to 256, with 8 poles of dip switch
WT652 Programmable	WT652	5-1-1 Programm -able with 4 events per day	Heat Cool			868/915MHz	Transmitter: 3.0 VDC (batteries) Receiver Plug: 120240VAC •16A: GS/FR/SA/IT/ CCC Plug •13A: UK Plug •15A: UL Plug	or dip switch
WT662 Programmable	WT662	5-1-1 Programm -able with 4 events per day	Heat Cool			868MHz	Transmitter: 3.0 VDC (batteries) Receiver: 230VAC	Up to 256, with 8 poles of dip switch
WT852 Programmable	WT852	7-days Programm -able	Heat Cool			868/915MHz	Transmitter: 3.0 VDC (batteries) Receiver Plug: 220240VAC •16A: GS/FR/SA/IT/ CCC Plug •13A: UK Plug	Up to 256, with 8 poles of dip switch













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RF WIRELESS THERMOSTAT "1"



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Product	Model	Feature	System	Fan	Heat Pump	Frequency	Power Supply	Support Address
BT062	BT062		Heat			868MHz	Transmitter: 3.0 VDC (batteries) Receiver: 24240VAC	Up to 128
BT162 Programmable	BT162	5-1-1 Programm -able with 4 events per day	Heat			868MHz	Transmitter: 3.0 VDC (batteries) Receiver: 24240VAC	Up to 128
RT01/02/05 Programmable	24VAC RT01 230VAC RT02 230VAC RT05	5-1-1 Programm -able with 4 time zones	Heat Cool Off Auto	On Auto		433MHz	Transmitter: 3.0 VDC (batteries) Receiver: 230VAC	Up to 512
RT18/RT28	RT18		1 stage cool Heat or Cool			433MHz	Transmitter: 3.0 VDC (batteries)	Up to 512, with 9 poles of dip switch
519	RT28		by jumper			868/915MHz	Receiver: 230VAC	Up to 256, with 8 poles of dip switch
RT38/48 Programmable	RT38	5-1-1 Programm -able	Heat or Cool			433MHz	Transmitter: 3.0 VDC (batteries)	Up to 512, with 9 poles of dip switch
33555	RT48	with 6 time zones					868MHz	Receiver: 230VAC
TM032 Programmable	TM032	Touch Screen, 7 days Programm -able with 6 time zones	Heat Cool Off			868MHz	Transmitter: 3.0 VDC (batteries) Receiver: 230VAC	Up to 512
TS032 Programmable Signature Programmable	T\$032	Touch Screen, 7 days Programm -able with 4 time zones	Heat Cool Off			433MHz	Transmitter: 3.0 VDC (batteries) Receiver: 230VAC	Up to 512
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Product	Model	Feature	System	Fan	Heat Pump	Frequency	Power Supply	Support Address
WT862 Programmable	WT862	7days Programm -able	Heat Cool			868MHz	Transmitter: 3.0 VDC (batteries) Receiver: 230VAC	Up to 256, with 8 poles of dip switch
WT830 & ZN020	(A ZOUES)		R	F Z (O N E			
WT832 & ZN022	(4 ZONES) WT830 & ZN020	Zone Controller(1)+ Room Units(4)	Heat Pump/ Standard HVAC	High Mid Low	*	868/915MHz	Zone Controller 24VAC Room Units: 3.0 VDC (batteries)	
	WT832 & ZN022	Zone Controller(1)+ Room Units(4)	Heat Cool	High Mid Low	*	868MHz	Zone Controller 230VAC Room Units: 3.0 VDC (batteries)	

ENERGY FUNCTION METER

RF WIRELESS THERMOSTAT "1"

FM012 & RU01	FM012 & RU01	Data transfer to computer via wireless communi -cation Energy information software provided	•3 phase energy measurement •Energy information will be saved in computer •with energy consumption alarm		230VAC	Support current transformer (0-2500) to adjust current value
FM022 & RU01	FM022 & RU01	Data transfer to computer via wireless communi -cation Energy information software provided	•single phase energy measurement •Energy information will be saved in computer •with energy consumption alarm		230VAC	Support current transformer (0-2500) to adjust current value
FM032	FM032	Data transfer to smart phone/ computer via WiFi Energy information software provided	•3 phase energy measurement •Energy information will be saved in computer •with energy consumption alarm		230VAC	Support current transformer (0-2500) to adjust current value





















CO2 CONTROL / AIR QUALITY SENSOR



Thermostat with CO₂ Control

CDT01

- 24VAC, 50/60Hz
- System: CO₂ & Heat / Cool
- CO₂ measurement range: 0-5000 ppm
- CO2 accuracy: ±75 ppm
- Transmitter CO₂ output signal: 0-10VDC (0-2500ppm)
- 3 relay output: CO₂ ventilation output, heat/cool output, fan butput

CDT02

- 230VAC, 50/60Hz
- System: Ventilation Control & Off
- CO₂ measurement range: 400-5000 ppm
- CO₂ resolution: 1 ppm
- 1 relay output: CO2 ventilation output

CDT01/02





Air Quality Sensor (USB Rechargeable)

- Measure dust density PM₂₅ in the environment:
- Green light will be ON when dust density below $100\mu g/m^3$ representing good air quality
- Blue light will be ON when dust density between $100-150\mu g/m^3$ representing medium air quality
- Red light will be ON when dust density over 150µg/m³ representing bad air quality



























IAVANTEU

Product	Model	Prog(days)	System	Fan	Heat Pump	Stage	Power Supply	Selection
			System	Tan	ricat i unip	-	томст заррту	Sciection
LP160/260/360/660	LP160	5+2	Heat			1Heat+1Cool		
423.77: A	LP260	5+1+1	Off Cool	On		1Heat+1Cool	3.0 VDC	•°C/°F
0 0 0 0	LP360	7 days		Auto	*	1Heat+1Cool	(batteries)	•12hr/24hr
	LP660	7 days	Emer. Heat/ Heat/Off/Cool			2Heat+2Cool		
LT160/260/360/660	LT160	5+2				1Heat+1Cool		
92327 - 8	LT260	5+1+1	Heat Off Cool	On	*	1Heat+1Cool	3.0 VDC	•°C/°F
2 2 :	LT360	7 days		Auto		1Heat+1Cool	(batteries)	•12hr/24hr
	LT660	7 days	Emer. Heat/ Heat/Off/Cool			2Heat+2Cool		
LT380								
243 243 5 6 6 6	LT380	5+1+1	Heat Only or Cool Only (NC-NO)				3.0 VDC (batteries)	•°C/°F •12hr/24hr •Heat/Cool by jumper
LT390								
A ₹	LT390	5+1+1	Heat				24 VAC	
LT860								
15: 423271 D	LT860	5+1+1 with Energy Saving Index	Heat Off Cool	On Auto	*	1Heat+1Cool	3.0 VDC (batteries)	•°C/°F •12hr/24hr
TN030								
	TN030	5+1+1 with 4 time zones	Heat Off Cool	On Auto	universal thermostat		3.0 VDC (batteries)	•°C/°F •12hr/24hr •Gas/ Electric Heat
WT030								
5 15 F	WT030	5+1+1 with 4 time zones	Heat Off Cool	On Auto	universal thermostat		3.0 VDC (batteries)	•°C/°F •12hr/24hr •Gas/ Electric Heat
WR252	WR252	5+1+1 with 4 time zones (Real time clock with day of week display)	Heat Off Cool Window Open Detection				3.0 VDC (batteries)	•°C/°F •12hr/24hr

PROGRAMMABLE THERMOSTAT 24VAC























AVANTEE

PROGRAMN	NABLE	THERI	MOSTA	120/2	30/VAC	Programmak	ole	
Product	Model	Prog(days)	System	Fan	Heat Pump	Stage	Power Supply	Selection
LT08	LTO8	7 days & 8 pre- determined/ 8 user define	Heat Off Cool				3.0 VDC (batteries)	•Comfort mode/ Economy mode •12hr/24hr
LT28	LT28	7 days & 8 pre- determined/ 8 user define	Heat Off Cool				3.0 VDC (batteries)	•Comfort mode/ Economy mode •12hr/24hr
LT31	LT31	5+1+1	Heat Only or Cool Only				3.0 VDC (batteries)	• 12hr/24hr by jumper • Heat/Cool by jumper
LT35/39	LT35~ LT352	5+1+1	Heat Off Cool	High Mid Low			120/230VAC	• 12hr/24hr • Delay/No
A 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LT39~ LT392	5+1+1	Heat				120/230VAC	Delay by jumper
LT38	LT38	5+1+1	Heat Only or Cool Only				3.0 VDC (batteries)	•12hr/24hr •Heat/Cool by jumper
WT032	WT032	7 days	Heat Cool				3.0 VDC (batteries)	•12hr/24hr
WT152/162/182	WT152		Heat Off Cool					
5: 15. F	WT162	5+1+1 with 4 time zones	Heat Off	On Auto			3.0 VDC (batteries)	•°C/°F •12hr/24hr
	WT182		Cool Off					



















LCD ELECTRONIC THERMOSTAT 24VAC

AVANTEE

/								
Product	Model	Feature	System	Fan	Heat Pump	Stage	Power Supply	Selection
ET12/180	ET12M ET120	•0-10V Proportional Output •Input for occupancy sensor	Cool for Modulating Actuators				24VAC	Internal/ External sensor
9 9	ET180		Heat or Cool				3.0 VDC (batteries)	•°C/°F •Heat/Cool by jumper
ET160/190/860	ET160		Heat Off Cool	On Auto				
1: (2)	ET190		Heat Cool				24VAC	
	ET860		Heat Off Cool	On Auto		2Heat or 2Cool		
ET170/640/650	ET170							
	ET640	2 pipes	Heat Off Cool	High Med Low			24 VAC	
10	ET650	4 pipes						
ET340/350	ET340	2 pipes	Heat	High Med Low			24 VAC	
	ET350	4 pipes	Off Cool					
IRO2	IRO2	Infra-Red (IR) remote control for Air Curtain	Heat	High Med Low		Heat I Heat II	24 VAC	
TN010	TN010	EEPROM	Heat Off Cool Auto	On Auto	universal thermostat		24 VAC/ 3.0 VDC (batteries)/ 24 VAC common wire with battery back up	•°C/°F
WT010	WT010	EEPROM	Heat Off Cool Auto	On Auto	universal thermostat		24 VAC/ 3.0 VDC (batteries)/ 24 VAC common wire with battery back up	•°C/°F
WT210	WT210	EEPROM	Heat Off or Cool Off	Auto On		2Heat or 2Cool	24 VAC/ 3.0 VDC (batteries)/ 24 VAC common wire with battery back up	•°C/°F













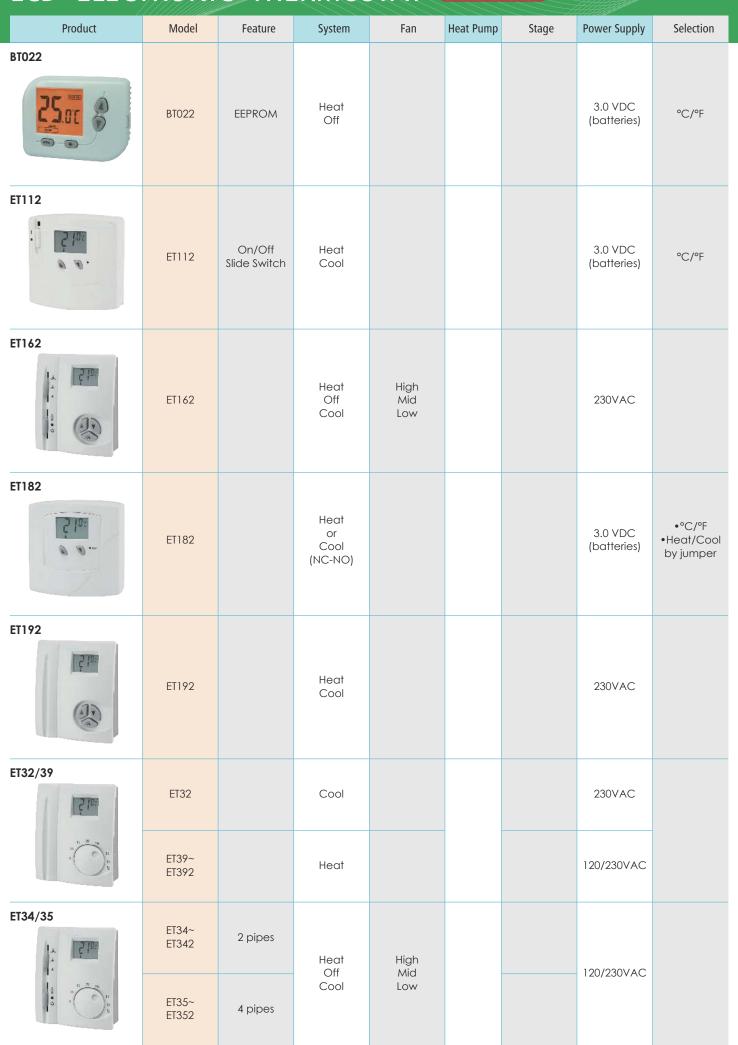






LCD ELECTRONIC THERMOSTAT (120/230/VAC)

AVANTEL

















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LCD ELECTRONIC THERMOSTAT (120/230/VAC)

AVANTEE

Product	Model	Conturo	Custom	Fan	Heat Pump	Ctago	Dower Cupply	Selection
	wodei	Feature	System	Fan	neat Pullip	Stage	Power Supply	Selection
ET362/382	ET362		Heat Off	High Mid Low			230VAC	
	ET382		Cool Off					
ET64/65	ET64~ ET642	2 pipes	Heat Off	High			120/230VAC	
	ET65~ ET652	4 pipes	Cool	Mid Low			120/230VAC	
ET66	ET662		Heat Off	High Mid Low			230VAC	
ET68	ET682		Cool Off	High Mid Low			230VAC	
ET69	ET69~ ET692		Heat				120/230VAC	
ET882	ET882	Binary Ouput for Heat & Cool	Heat Cool Auto	High Mid Low	*		230VAC	°C/°F
WT012	WT012	EEPROM	Heat Off or Cool Off (NC-NO)				230VAC	°C/°F











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ELECTRON	IC TH	ERMO	STAT					VANTEC
Product	Model	Feature	System	Fan	Heat Pump	Stage	Power Supply	Selection
D012/022/032/052/112	D012 D022 D032 D052 D112		Heat Only Cool: On/Off Heat Only/Cool Only Heat: On/Off Heat: On/Off	High/Med/Low High/Med/Low			230VAC	
EC302	230VAC EC302	Heat & Cool valve actuators (for-4 pipe fan coil unit)	Heat Cool Off	High Mid Low Off			230VAC	Normal/ Energy Saving/ Standby/ Frost Protection mode
ETO2	ET02~ ET022		Vent Off On	High Mid Low			120/230VAC	
TG03	7G032		Heat Off Cool	High Mid Low			230VAC	With remote switch to control fan
TG08	7G08	NO & NC outputs	Heat Off Cool				230VAC	
ET042/05	230VAC ET042 (120VAC) ET05~ ET052	2 pipes 4 pipes	Heat Off Cool	High Mid Low			120/230VAC	
ET050	24VAC ET050	4 pipes	Heat Off Cool	Auto On			24VAC	
ET070	24VAC ET070		Heat Off Cool	High Mid Low	*		24VAC	
ET080	24VAC ET080		Cool Off	Auto On			24VAC	
ETO9	ET090 ET092		Heat				24/120/ 150-240VAC	











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HUMIDIST	AT 🌢							WANTE	
Product	Model	Controlling Humidity	System	Fan	Heat Pump	Stage	Power Supply	Selection	
EH32/62/39/69	EH32/EH62	30-90% RH	Dehumidifier				24/110-120/ 220-240VAC		
4 2 27 18 10 10 10 10 10 10 10 10 10 10 10 10 10	EH39/EH69	30-90% RH	Humidifier				24/230VAC		
EH35/65	EH35/65	30-90% RH	Dehumidifier Off Humidifier	High Med Low			24/110-120/ 220-240VAC		
EH36/66/38/68	EH36/66	30-90% RH	Humidifier Off	High Med			110-120VAC/		
35. 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	EH38/68	30-90% RH	Dehumidifier Off	Low			220-240VAC		
EH37	ЕН37	30-90% RH	Dehumidifier Off Humidifier				110-120VAC/ 220-240VAC		
TH20	TH20	30-90% RH	Humidifier Off Dehumidifier/ Heat Off Cool				24/120/ 230VAC		
TN120	TN120	30-90% RH	Humidifier Off Dehumidifier/ Heat Off Cool	High Mid Low Auto			24VAC	Support 2 pipes system (Heat or Cool) Support 4 pipes system (Heat & Cool)	
TN220	TN220		Heat Off Cool Auto	On Auto	*	2 stages Heat & 2 stages Cool	2477.0	Heat Only (normal open or normal close valves) Heat with fan	
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