

Thermostats and Controls



Product Type:
THERMOSTAT CONTROLS

Thermostats and Controls -
Digital Thermostats,
Programmable Thermostats,
Line Voltage Thermostats, and
Controls



Specifications

CATALOG NUMBER	TH300024	TH36004	TH400024	TH110DPP
Action	Triac: Silent Operation	Electronic Switch	Triac: Silent Operation	Microprocessor
Type	12.5A Resistive 2 wire SPST	15 A Resistive 4 wire DPST	16.7A Resistive 2 wire SPST	16.7 A Resistive 4 wire DPST
Watt Rating	Minimum: 2 amp load	No minimum load	Minimum: 2 amp load	No minimum load
120V	n/a	n/a	2000 watts	n/a
208V	n/a	n/a	n/a	3000 watts
240V	3000 watts	3600 watts	4000 watts	4000 watts
277V	n/a	n/a	n/a	n/a
Pilot Duty	No	No	No	No
Range (°F)	40°F to 85°F	40°F to 85°F	40°F to 85°F	40°F to 85°F
Differential Accuracy:	Within +/- 0.27°F	Accuracy: Within 1°F of setpoint	Accuracy: Within +/- 0.27°F	Accuracy: Within 1°F of setpoint
Features	Digital, non-programmable 12.5amp model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Not for fan-forced heaters.	Digital, non-programmable model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Can be used for fan-forced heaters..	Digital, programmable high capacity model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Not for fan-forced heaters.	Digital, programmable model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Can be used for fan-forced heaters.
Catalog No.	T8775A1009	T8775C1005	TH5220D1003	LT186F01
Action Type	Electronic Switch	Electronic Switch	Electronic Switch	Microprocessor
	24 volt .015 -1.0A @ 30V 2-wire	24 volt .015 -1.0A @ 30V 2-wire	24 volt .015 -1.0A @ 30V 5-wire	Wall thermistor
Watt Rating				
120V	n/a	n/a	n/a	22A
208V	n/a	n/a	n/a	22A
240V	n/a	n/a	n/a	22A
277V	n/a	n/a	n/a	19A
Pilot Duty	24VAC	24VAC	24VAC	n/a
Range (°F)	40°F to 90°F	40°F to 90°F	40°F to 90°F	40°F to 90°F
Differential Accuracy:	Accuracy: Within 1°F of setpoint	Accuracy: Within 1°F of setpoint	Accuracy: Within 1°F of set	Accuracy Within 1°F of setpoint
CATALOG NUMBER	TH300024	TH36004	TH400024	TH110DPP
Action	Triac: Silent Operation	Electronic Switch	Triac: Silent Operation	Microprocessor
Type	12.5A Resistive 2 wire SPST	15 A Resistive 4 wire DPST	16.7A Resistive 2 wire SPST	16.7 A Resistive 4 wire DPST
Watt Rating	Minimum: 2 amp load	No minimum load	Minimum: 2 amp load	No minimum load
120V	1500 watts	n/a	2000 watts	n/a
208V	n/a	n/a	n/a	3000 watts
240V	3000 watts	3600 watts	4000 watts	4800 watts
277V	n/a	n/a	n/a	n/a
Pilot Duty	No	No	No	No
Range (°F)	40°F to 85°F	40°F to 85°F	40°F to 85°F	40°F to 85°F
Differential Accuracy:	Within +/- 0.27°F	Accuracy: Within 1°F of setpoint	Accuracy: Within +/- 0.27°F	Accuracy: Within 1°F of setpoint
Features	Digital, non-programmable 12.5amp model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Not for fan-forced heaters.	Digital, non-programmable model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Can be used for fan-forced heaters..	Digital, programmable high capacity model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Not for fan-forced heaters.	Digital, programmable model delivers exceptional accuracy. Ideal for radiant ceiling panels, and baseboard. Can be used for fan-forced heaters.
CATALOG NUMBER	T8775A1009	T8775C1005	TH5220D1003	LT186F01
Action	Electronic Switch	Electronic Switch	Electronic Switch	Microprocessor
Type	24 volt .015 -1.0A @ 30V 2-wire	24 volt .015 -1.0A @ 30V 2-wire	24 volt .015 -1.0A @ 30V 5-wire	Wall thermistor
Watt Rating				
120V	n/a	n/a	n/a	22A
208V	n/a	n/a	n/a	22A
240V	n/a	n/a	n/a	22A
277V	n/a	n/a	n/a	19A
Pilot Duty	24VAC	24VAC	24VAC	n/a
Range (°F)	40°F to 90°F	40°F to 90°F	40°F to 90°F	40°F to 90°F
Differential Accuracy:	Accuracy: Within 1°F of setpoint	Accuracy: Within 1°F of setpoint	Accuracy: Within 1°F of set	Accuracy Within 1°F of setpoint
Features	Digital, non-	Digital, non-	Digital, 24-volt programmable 2 stage 5-7	Proportional and Integral non-programmable

programmable 24 volt "Round" model delivers exceptional accuracy. (Heat Only)	programmable 24 volt "Round" model delivers exceptional accuracy. (Heat and Cool)	wire heat and cool thermostat. One touch temperature control with exceptional accuracy. Ideal for plenum heaters, and HVAC systems.	electronic room sensor thermostat with set point capability, providing exceptional accuracy. Transmits actual temperature to a LTR relay.
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CATALOG NUMBER	MS26 MD26	M601W M602W	M601TPW M602TPW	M611W M612W
Action	Snap Action	Snap Action	Snap Action	Snap Action
Type	SPST DPST	SPST DPST	SPST DPST	SPST DPST
Amp Rating	Model MD26 has Positive OFF	Model M602W has Positive OFF	Model M602TPW has Positive OFF	Model M612W has Positive OFF
120V	22A	22A	22A	22A
208V	22A	22A	22A	22A
240V	22A	22A	22A	22A
277V	18A	18A	18A	18A
Pilot Duty	No	Yes 125VA	Yes 125VA	Yes 125VA
Range (°F)	50°F to 80°F	45°F to 75°F	45°F to 75°F	45°F to 75°F
Differential	+/- 5°F	+/- 4°F	+/- 4°F	+/- 2 1/2°F
Features	These economy thermostats are the snap action type that are used in apartment construction. Good thermostat for its value. Ideal for radiant cove heaters and baseboard.	These bi-metal snap action thermostats are sensitive. Large knob allow for easy adjustment.	Same as M601W and M602W except the cover mounting cover offer tamper proof feature.	Built-in heat anticipator assures closer control of room temperature. These snap action thermostats are more sensitive that

CATALOG NUMBER	M600MTP	M600S	T100 T200	WR651 WR661
Action	Modulation (2 stage)	Simultaneous switching (double ckt)	Snap Action with Heat Anticipator	Creep (Hydraulic) Action
Type	DPST		SPST DPST	SPST DPST
Watt Rating				
120V	22A	22A	22A	22A
208V	22A	22A	22A	22A
240V	22A	22A	22A	22A
277V	18A	18A	18A	na
Pilot Duty	Yes 125VA	Yes 125VA	Yes 125VA	No
Range (°F)	50°F to 80°F	50°F to 80°F	50°F to 90°F	40°F to 85°F
Differential	Accuracy: Within 3°F of setpoint	Accuracy: Within 3°F of setpoint	+/- 2 1/2°F	+/- 2°F
Features	One thermostat controls two separate heating circuits and reduces input during light load periods. Second stage activates when temperature drops to approx. 1 1/2°F below the first stage turn-ON temperature.	Simultaneous control of two heating loads. Used where the total load slightly exceeds capacity of a single switch, where two thermostats are impractical. Both switches are calibrated to operate at approx. the same temperature.	Line voltage thermostat with everything; Performance, reliability, durability, and a large knob. Built-in heat anticipation assures close temperature regulation. Large knob for easy rotation.	Extra-sensitive element in control knob senses radiant heat as well as air temperature for ultimate control. May cause slight radio or television interference in outlying fringe areas.

CATALOG NUMBER	WR80	WR80EP	WT11A WT12A	LTR Series
Action	Snap Action Switch	Snap Action Switch	Positive snap action switch	Electronic Relays
Type	SPST	SPST	SPDT	Microprocessor base design
Amp Rating			Nema 4X rated	These electronic relays have been designed for silent control of high voltage resistive loads from a low voltage control circuit. Inductive motor loads can also be controlled (120V to 240V only). Compatible with 24V thermostats and accepts analog signal of 0-10V DC.
120V	25A	25A	25A -	
208V	22A	22A	25A	
240V	22A	22A	25A	
277V	18A	18A	22A	
Pilot Duty	Yes 125VA	Yes 125VA	Yes 125VA	
Range (°F)	40°F to 90°F	40°F to 90°F	40°F to 110°F	
Differential	+/- 3°F	+/- 3°F	+/- 2 1/2°F	
Features	Rugged design for garages, factories, warehouses and similar commercial and industrial installations. The WR80 can control several heaters by using an external contactor.	This explosion proof room thermostat is suitable for Class 1, Group D and Class II, Groups E, F, and G locations, or existing installations.	Nema 4X weatherproof enclosure. The control has a SPDT output and can be used for heating or cooling (ventilation) Multi-positional mounting offers flexibility in new or existing installations.	The relays can be used with model LT186F01 electronic room sensor, providing proportional and integral control. Also can be tied to building management systems.

CATALOG NUMBER	LTR2240	TC1	Models Below	M600THW M600THB
Action	Dual Silent Relay	Enclosure protection for thermostats.	This wall plate thermometer accurately displays room temperature within 1 degree Fahrenheit, so you can tell in a moments notice if a room is warm or cool. This is ideal for zonal control of your room temperature. No wiring is needed. (battery included with the wall plate). Easy to install.	M600THW - White thermostat cover with built-in thermometer. For M600 Series stats. M600THB - Beige thermostat cover with built-in thermometer. For M600 Series stats. Minimum 50pcs Allow 4 weeks.

Type 2 single pole switches. Material: Impact resistant polycarbonate. Clear. Dimensions are: 7"L X 4.28"H X 2.75" D

Thermostat enclosure kits are designed to protect the thermostat. Circulating slots allow airflow for proper operation. Guards are lockable and a key is provided to maintain security.

Watt Rating Resistive Inductive
 120V 25A 1/2HP, 8A
 208V 25A 1HP, 8.8A
 240V 25A 1HP, 8A
 277V 22A n/a
 Pilot Duty Yes 125VA
 Range (°F) Can be operate in 20 to 140°F

Differential Accuracy: Within 1.5°F of setpoint

Features This dual level temperature relay may be used to operate two separate heating loads by means of a single low voltage thermostat. Relay is mounted in an enclosure.

HEATER MODEL

WALL THERMOSTAT

AWH3150 M601W
 AWH3180 M601W
 AWH4408 M601W
 AWH4404 M601W
 AWH4407 M601W
 AWH4307 M601W
 AWH4303 NA
 AWH4508 M601W
 AWH4504 M601W
 AWH4507 M601W
 AWH4503 NA
 AWH4506 NA
 AWH44083 NA
 AWH44043 NA
 AWH4306 NA

NOTE: See note 10

CWH1101DSAG M601W
 CWH1151DSAG M601W
 CWH1201DSAG M601W
 CWH1202DSAG M601W
 CWH1207DSAG M601W
 CWH1157DSAG M601W
 CWH1208DSAG M601W

NOTE: See note 10

CWH1101DS M601W
 CWH1151DS M601W
 CWH1201DS M601W
 CWH1202DS M601W
 CWH1207DS M601W
 CWH1157DS M601W
 CWH1208DS M601W

NOTE: See note 10

CWH3150 M602W
 CWH3180 M602W
 CWH3404 M602W
 CWH3407 M602W
 CWH3307 M602W
 CWH3408 M602W
 CWH34083 NA
 CWH34043 NA
 CWH3504 M602W
 CWH3507 M602W
 CWH3508 NA
 CWH35083 NA
 CWH35043 NA
 CWH3203 NA
 CWH3206 NA
 CWH3153 NA
 CWH3156 NA
 CWH3303 NA
 CWH3306 NA
 CWH3403 NA
 CWH3406 NA
 CWH3503 NA
 CWH3506 NA

NOTE: See note 10

GFR1500 TH400024, M601W, M611W, T100, WR651
 GFR2004 TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
 GFR2404 TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
 GFR1500T2 TH400024, M601W, M611W, T100, WR651
 GFR2004T2 TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
 GFR2404T2 TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
 QFG1512IFM TH400024, M601W, M611W, T100, WR651
 QFG2024IFM TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
 QFG2224IFM TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
 QFG2228IF M602W, M612W, T200, WR661
 QFG1512T2M TH400024, M601W, M611W, T100, WR651

QFG2024T2M	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
QFG2224T2M	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
HEATER	WALL
MODEL	THERMOSTAT
LFK151	M602W
LFK204	M602W
LFK304	M602W
LFK404	M602W
LFK484	M602W

NOTE: See note 10

SED1012C	TH400024, TH300024, M601W, M611W, T100, WR651
SED1024C	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
SED1512	TH400024, TH300024, M601W, M611W, T100, WR651
SED2024	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
ECP1024	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
ECP1524	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
CRA1512IF	TH400024, M601W, M611W, T100, WR651
CRA2028IF	M602W, M612W, T200, WR661
CRA2024IF	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
CRA2224IF	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
CRA1512T2	TH400024, M601W, M611W, T100, WR651
CRA2024T2	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
CRA2224T2	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
1235	TH400024, M601W, M611W, T100, WR651
1235P	TH400024, M601W, M611W, T100, WR651
2435	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
2435P	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
CDF548	MS26, M601W
CDF542	TH400024, MS26, M601W
CDF547	MS26, M601W
CDF558	MS26, M601W
CDF552	MS26, M601W
CDF557	MS26, M601W

NOTE: See note 11

EFF1500	TH400024, MS26, M601W
EFF3007	MS26, M601W
EFF4008	MS26, M601W
EFF4004	TH400024, MS26, M601W
EFF4007	MS26, M601W
EFF4804	MS26, M601W
EFF4807	MS26, M601W
EFF3003	NA
EFF3006	NA
EFF4003	NA
EFF4006	NA
EFF4803	NA
EFF4806	NA

NOTE: See note 12

QCH1101	TH400024, TH300024, M601W, MS26
QCH1151	TH400024, M601W, MS26
QCH1202	TH400024, TH300024, M601W, MS26
QCH1207	TH400024, TH300024, M601W, MS26

NOTE: See note 12

Downloads

Product Manuals and Literature

-  [Thermostat Bulletin \(All Models\) \(644KB\)](#)
-  [TH110 Bulletin \(134KB\)](#)
-  [TH300024 Bulletin \(242KB\)](#)
-  [TH 36004 Bulletin \(187KB\)](#)
-  [TH400024 Bulletin \(286KB\)](#)
-  [TH110DPP Instructions \(316KB\)](#)