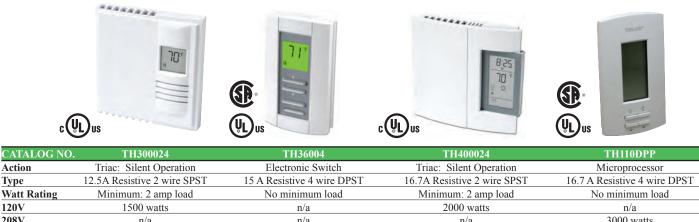


Thermostats and Controls



THERMOSTATS **ELECTRONIC DIGITAL LINE VOLTAGE**



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	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 1ºF of setpoint	Accuracy: Within +/- 0.27°F	Accuracy: Within 1°F of setpoint
Features	Digital, non-programmable	Digital, non-programmable	Digital, programmable high ca-	Digital, programmable
	12.5amp model delivers ex-	model delivers exceptional	pacity model delivers exceptional	model delivers exceptional
	ceptional accuracy. Ideal for	accuracy. Ideal for radiant	accuracy. Ideal for radiant ceiling	accuracy. Ideal for radiant
	radiant ceiling panels, and	ceiling panels, and base-	panels, and baseboard. Can be	ceiling panels, and base-
	baseboard. Not for fan-forced	board. Can be used for fan-	used for fan-forced heaters and re-	board. Can be used for fan-
	heaters.	forced heaters	sistive loads.	forced heaters.

THERMOSTATS **ELECTRONIC DIGITAL LOW VOLTAGE**



CATALOG NO	D. T8775A1009	T8775C1005	TH5220D1003	LT186F01
Action	Electronic Switch	Electronic Switch	Electronic Switch	Microprocessor
Туре	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: Within 1ºF of setpoint	Accuracy: Within 1°F of setpoint	Accuracy: Within 1°F of set	Accuracy Within 1°F of setpoint
Features	Digital, non-programmable 24 volt "Round" model de- livers exceptional accuracy. (Heat Only)	Digital, non-programmable 24 volt "Round" model de- livers exceptional accuracy. (Heat and Cool)	Digital, 24volt programma- ble 2 stage 5-7 wire heat and cool thermostat. One touch temperature control with exceptional accuracy. Ideal for plenum heaters, and HVAC systems.	Proportional and Integral non-programmable elec- tronic room sensor thermo- stat with set point capability, providing exceptional accu- racy. Transmits actual tem- perature to a LTR relay.

Berko Heating Products

Action

Туре

THERMOSTATS LINE VOLTAGE



CATALOG NO	. MS26 MD26	M601W M602W	M601TPW M602TPW	M611W M612W	
Action	Snap Action	Snap Action	Snap Action	Snap Action	
Туре	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	These bi-metal snap action	Same as M601W and	Built-in heat anticipator as-	
	are the snap action type that are used in apartment	thermostats are sensetive. Large knob allow for easy	M602W except the cover	sures closer control of room	
	construction. Good thermostat	adjustment.	mounting cover offer tamper proof feature.	temperature. These snap ac- tion thermostats are more	
	for its value. Ideal for radiant cove heaters and baseboard.			sensitive that	

THERMOSTATS LINE VOLTAGE



CATALOG NO	. M600MTP	M600S	T100 T200	WR651 WR661
Action	Modulation (2 stage)	Simultaneous switching (double ckt)	Snap Action with Heat Anticipator	Creep (Hydraulic) Action
Туре	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 sep-	Simultaneous control of two	Line voltage thermostat with	Extra-sensitive element in
	arate heating circuits and reduces	heating loads. Used where the	everything; Performance, reliabil-	control knob senses radiant
	input during light load periods.	total load slightly exceeds capac-	ity, durability, and a large knob.	heat as well as air tempera-
	Second stage activates when	ity of a single switch, where two	Built-in heat anticipation assures	ture for ultimate control.
	temperature drops to approx. 1	thermostats are impractical. Both	close temperature regulation.	May cause slight radio or
	1/2°F below the first stage turn- ON temperature.	switches are calibrated to operate at approx. the same temperature.	Large knob for easy rotation.	television interference in outlying fringe areas.
	or temperature.	at approx. the sume temperature.		outrying ninge areas.

DIGITAL THERMOSTATS AND CONTROLS

HEATER TYPE	2500 SERIES BASEBOARD	HBB/OBD BASEBOARD	LARGE WALL HEATER	SMALL WALL HEATER	SMALL WALL HEATER	REGISTER WALL HEATER	TOE SPACE HEATER
Heater Series	2500 Series BKOC	HBB OBD	FRC FRA	SRADSAG SRADS	CRA SED	GFR, QFG	QTS
			VFK		1235 & 2400		
efer to the otes Section here specified	See Note 1		See Note 2	See Note 3	See Note 4		See Note 6
		Thern	nostats below are	electronic with	h digital display.		
H110DPP	Yes	Yes	The electronic	No	See model	See model	Yes
H300024	Yes	Yes	thermostats are not	No	selection	selection	No
H36004	Yes	Yes	recommended	No	chart.	chart.	Yes
H400024	Yes	Yes	for this heater	No			Yes
H522D1003	No	No		No			No
	Thermostats li	sted below are	of mechanical ty	pe and want to	o control temper	ature setting m	anually.
IS26	Yes	Yes	See model	No	See model	See model	Yes
1D26	Yes	Yes	selection chart for	No	selection	selection	Yes
1601W	Yes	Yes	the recommended	Yes	chart.	chart.	Yes
1601TPW	Yes	Yes	thermostat	Yes	citart.	churt.	Yes
1602W	Yes	Yes	literinostat	No			Yes
1602TPW	Yes	Yes		No			Yes
1611W	Yes	Yes		No			Yes
1612W	Yes	Yes		No			Yes
1600S			re are two elements to		e operation		100
1600MTP			rmally used for above	-	• • F • • • • • •		
100	Yes	Yes	See model	Yes	See model	See model	Yes
200	Yes	Yes	selection chart for	No	selection	selection	Yes
VR651	Yes	Yes	the recommended	No	chart.	chart.	Yes
/R661	Yes	Yes	thermostat	No			Yes
r	Thermostats belo	ow are more co	ommercial / Indus	strial and not r	normally used or	residential an	olications.
/T11A	No	Yes	See model	No	No	No	No
VT12A	No	Yes	selection chart for	No	No	No	No
/R80	Yes	Yes	the recommended	No	No	No	No
VR80EP	No	No	thermostat	No	No	No	No
			below are low vol				
8775A1009	Yes	Yes	No	No	No	No	No
8775C1005	Yes	Yes	No	No	No	No	No
	105		nic transformer r				110
TR1120 TR208240 TR1277 TR2240	Highligh		s are "Sub				
T186F01	Yes	Yes	Yes	Yes		Yes	Yes
1100101	105	105	105	105		105	105

† For infrared type heaters, controls may be different for the type of element used. Contact Technical Services for recommendation.

Note 1: Electronic thermostats have amperage minimums and each model has different voltage requirements, please check catalog thermostat specifications.

Note 2: FRC, FRA, and K Series models require the removal of the internal thermostat and wire wall thermostat in its place for proper fan operation. See THERMOSTAT MODEL SELECTION (page 6) for specific thermostat.

Note 3: SRADSAG and SRADS Series models require the removal of the internal thermostat from unit. Wire wall thermostat for proper fan operation. See THERMOSTAT MODEL SELECTION (page 6) for specific thermostats.

Note 4: CRA, SED, 1235, and 2400 Series models require the removal of the internal thermostat from unit. Wire wall thermostat for proper fan operation. See THERMOSTAT MODEL SELECTION (page 6) for specific thermostats.

Note 5: Low voltage thermostats operate in conjuction with low voltage control systems using relays. Compatible with all standard 24V two wire thermostats. Can accept analog signal of 0-10 VDC.

Note 6: The 1100watt units can use either single pole or double stats. The higher wattage, 1500watt, must use a double pole stat. (3 conductors from stat to heater) See website for further details.

Note 7: FFCH and EFF Series models require different thermostats based on internal wiring. Wire wall thermostat for proper fan operation. See THERMOSTAT MODEL SELECTION (page 6) for specific thermostats. Can not use digital thermostats with this unit.

Note 8: Due to the complexity of wiring variations for remote wall thermostats with these products, we recommend that you contact Technical Services for assistance.

Note 9: Remove internal thermostat and wire wall thermostat in its place for proper fan operation.

Note 10: Thermostat wire to the two white wires on the heater.

Note 11: Wire wall thermostats as directed in the Installation Manual for proper fan operation.

Technical Services Contact Information

Phone: 800-452-4328 email: meptechsupport@marleymep.com

	CABINET			ALUMINUM			RP & RS	
CEILING HEATER	UNIT HEATER	UNIT HEATER	PLENUM HEATER	AND STEEL CONVECTORS	COVE RADIANT	CP RADIANT	INFRARED HEATERS*	INDUSTRIAL RADIANT
FFCH	HUHAA	CUH900	BPH	All Series	RCC	СР	RP & RS	M, N, and L
QFF	UH							
QCH								
 See note 7	See note 8			See note 8				

		Thermost	ats below ar	e electronic with d	ligital displa	ıy.		
See model	Contact	Yes	No	Contact	Yes	Yes	Ť	†
selection	Tech Services	No	No	Tech Services	Yes	Yes	Ť	†
chart.	for assistance	Yes	No	for assistance	Yes	Yes	Ť	†
		Yes	No		Yes	Yes	Ť	†
		No	Yes		No	No	Ť	†
Ther	mostats listed b	elow are of r	nechanical t	ype and want to c	ontrol temp	erature settin	g manually.	
See model	Contact	No	No	Contact	Yes	Yes	Ť	†
selection	Tech Services	No	No	Tech Services	Yes	Yes	Ť	Ť
chart.	for assistance	Yes	No	for assistance	Yes	Yes	Ť	†
		Yes	No		Yes	Yes	Ť	Ť
		Yes	No		Yes	Yes	Ť	Ť
		Yes	No		Yes	Yes	Ť	†
		Yes	No		Yes	Yes	Ť	Ť
		Yes	No		Yes	Yes	Ť	Ť
<u> </u>				6			†	†
See model	Contact	Yes	No	Contact	Yes	Yes	† •	†
selection	Tech Services	Yes Yes	No No	Tech Services	Yes Yes	Yes Yes	† † †	†
		Yes Yes No	No No No		Yes Yes Yes	Yes Yes Yes	† + + +	†
selection chart.	Tech Services for assistance	Yes Yes No No	No No No No	Tech Services for assistance	Yes Yes Yes Yes	Yes Yes Yes Yes	† † † † ;	† † † †
selection chart. Therm	Tech Services for assistance	Yes Yes No No more comm	No No No No tercial / Indu	Tech Services for assistance	Yes Yes Yes Yes rmally used	Yes Yes Yes Yes on residentia	† † † † applications.	† † † †
selection chart. Therm Yes	Tech Services for assistance ostats below are Contact	Yes Yes No No more comm Yes	No No No nercial / Indu No	Tech Services for assistance Istrial and not nor Contact	Yes Yes Yes Yes rmally used No	Yes Yes Yes Yes on residentia Yes	† † † † 1 applications. †	† † † †
selection chart. Therm Yes No	Tech Services for assistance ostats below are Contact Tech Services	Yes Yes No No more comm Yes Yes	No No No nercial / Indu No No	Tech Services for assistance istrial and not not Contact Tech Services	Yes Yes Yes Yes rmally used No No	Yes Yes Yes Yes on residentia Yes Yes	† † † † 1 applications. † †	† † † † †
selection chart. Therm Yes No Yes	Tech Services for assistance ostats below are Contact	Yes Yes No No more comm Yes Yes Yes	No No No No nercial / Indu No No	Tech Services for assistance Istrial and not nor Contact	Yes Yes Yes Yes rmally used No No Yes	Yes Yes Yes Yes on residentia Yes Yes Yes	† † † † 1 applications. † † †	+ + + + + + + + + + +
selection chart. Therm Yes No	Tech Services for assistance ostats below are Contact Tech Services for assistance	Yes Yes No No more comm Yes Yes Yes No	No No No No nercial / Indu No No No	Tech Services for assistance Istrial and not not Contact Tech Services for assistance	Yes Yes Yes Yes rmally used No No Yes No	Yes Yes Yes Yes on residentia Yes Yes Yes No	† † † 1 1 2 2 2 2 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+ + + + + + + + + + +
selection chart. Therm Yes No Yes No	Tech Services for assistance ostats below are Contact Tech Services for assistance Ther	Yes Yes No No more comm Yes Yes Yes No mostats belo	No No No No No No No No No w are low vo	Tech Services for assistance istrial and not not Contact Tech Services for assistance	Yes Yes Yes rmally used No No Yes No	Yes Yes Yes Yes on residentia Yes Yes Yes No #6 below.	† † † 1 1 applications. † † † †	† † † † † † †
selection chart. Therm Yes No Yes	Tech Services for assistance ostats below are Contact Tech Services for assistance	Yes Yes No No more comm Yes Yes Yes No	No No No No nercial / Indu No No No	Tech Services for assistance Istrial and not not Contact Tech Services for assistance	Yes Yes Yes Yes rmally used No No Yes No	Yes Yes Yes Yes on residentia Yes Yes Yes No	† † † 1 1 applications. † † † †	† † † † † † †

Yes Yes Yes No Yes Yes † †

THERMOSTAT MODEL SELECTION From Notes 2, 3, 4 and 7 (see page 4)

HEATER	WALL	HEATER	WALL
MODEL	THERMOSTAT	MODEL	THERMOSTAT
FRC1512	M601W	VFK151	M602W
FRC3180	M601W	VFK204	M602W
FRC4020	M601W	VFK304	M602W
FRC4024	M601W	VFK404	M602W
FRC4027	M601W	VFK484	M602W
FRC3027	M601W	NOTE: See note 1	
FRC4820	M601W	SED1012C	TH400024, TH300024, M601W, M611W, T100, WR651
FRC4824	M601W	SED1024C	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
FRC4827	M601W	SED1512	TH400024, TH300024, M601W, M611W, T100, WR651
FRC40203	NA	SED2024	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
FRC40243	NA	ECP1024	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
NOTE: See note 10		ECP1524	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
SRA1012DSAG	M601W	CRA1512IF	TH400024, M601W, M611W, T100, WR651
SRA1512DSAG	M601W	CRA2028IF	M602W, M612W, T200, WR661
SRA1812DSAG	M601W	CRA2024IF	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
SRA2024DSAG	M601W	CRA2224IF	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
SRA2027DSAG	M601W	CRA1512T2	TH400024, M601W, M611W, T100, WR651
SRA1527DSAG	M601W	CRA2024T2	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
SRA2020DSAG	M601W	CRA2224T2	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
NOTE: See note 10		1235	TH400024, M601W, M611W, T100, WR651
SRA1012DS	M601W	1235P	TH400024, M601W, M611W, T100, WR651
SRA1512DS	M601W	2435	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
SRA1812DS	M601W	2435P	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661
SRA2024DS	M601W	FFCH548	MS26, M601W
SRA2027DS	M601W	FFCH542	TH400024, MS26, M601W
SRA1527DS	M601W	FFCH547	MS26, M601W
SRA2020DS	M601W	FFCH558	MS26, M601W
NOTE: See note 10), pg. 4.	FFCH552	MS26, M601W
FRA1512	M602W	FFCH557	MS26, M601W
FRA1812	M602W	NOTE: See note 1	1, pg. 4.
FRA4024	M602W	QFF1500	TH400024, MS26, M601W
FRA4027	M602W	QFF3007	MS26, M601W
FRA3027	M602W	QFF4008	MS26, M601W
FRA4020	M602W	QFF4004	TH400024, MS26, M601W
FRA4824	M602W	QFF4007	MS26, M601W
FRA4827	M602W	QFF4804	MS26, M601W
FRA4820	NA	QFF4807	MS26, M601W
NOTE: See note 10), pg. 4.	NOTE: See note 1	2, pg. 4.
GFR1500	TH400024, M601W, M611W, T100, WR651	QCH1101	TH400024, TH300024, M601W, MS26
GFR2004	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661	QCH1151	TH400024, M601W, MS26
GFR2404	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661	QCH1202	TH400024, TH300024, M601W, MS26
GFR1500T2	TH400024, M601W, M611W, T100, WR651	QCH1207	TH400024, TH300024, M601W, MS26
GFR2004T2	TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661	NOTE: See note 1	
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		
OFG1512T2M	TH400024, M601W, M611W, T100, WR651		

QFG1512T2M QFG2024T2M QFG2224T2M TH400024, M601W, M611W, T100, WR651 TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661 TH110DPP, TH400024, TH300024, M602W, M612W, T200, WR661

SPECIALTY CONTROLS









277V

19A

LTR1277

CATALOG NO). WR80	WR80EP	WT11A WT12A	LTR SERIES
Action	Snap Action Switch	Snap Action Switch	Positive snap action switch	Electronic Relays
Туре	SPST	SPST	SPDT	Microprocessor base design
Amp Rating			Nema 4X rated	These electronic relays have been
120V	25A	25A	25A n/a	designed for silent control of high
208V	22A	22A	25A	voltage resistive loads from a low
240V	22A	22A	25A	voltage control circuit. Inductive
277V	18A	18A	22A	motor loads can also be controlled
Pilot Duty	Yes 125VA	Yes 125VA	Yes 125VA	(120V to 240V only). Compatible
Range (°F)	40°F to 90°F	40°F to 90°F	40°F to 110°F	with 24V thermostats and accepts
Differential	+/- 3°F	+/- 3°F	+/- 2 1/2°F	analog signal of 0-10V DC.
Features	Rugged design for garages, factories, warehouses and sim- ilar 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.	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.

SPECIALTY CONTROLS



CATALOG NO	D. LTR2240
Action	Dual Silent Relay
Туре	2 single pole switches.
Watt Rating	Resistive Inductive
120V	N/A
208V	25A 1HP, 8.8A
240V	25A 1HP, 8A
277V	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
	1
	relay may be used to operate
	two separate heating loads by
	means of a single low voltage
	thermostat. Relay is mounted
	in an enclosure.



Enclosure protection for thermostats. Material: Impact resistant polycarbonate. Clear. Dimensions are: 7"L X 4.28"H X 2.75" D

TC1

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.



M600THW M600THB

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.