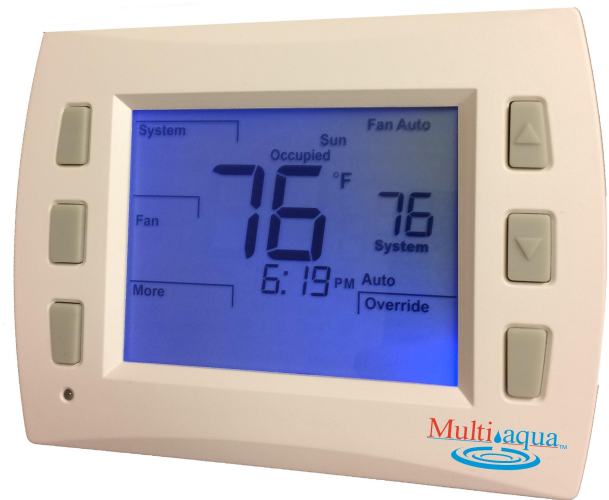# MAI60011
Programmable Thermostat

MULTIAQUA

The MAI60011 is a wall mounted, programmable thermostat compatible with all 24V controlled Multiaqua fan coil models.
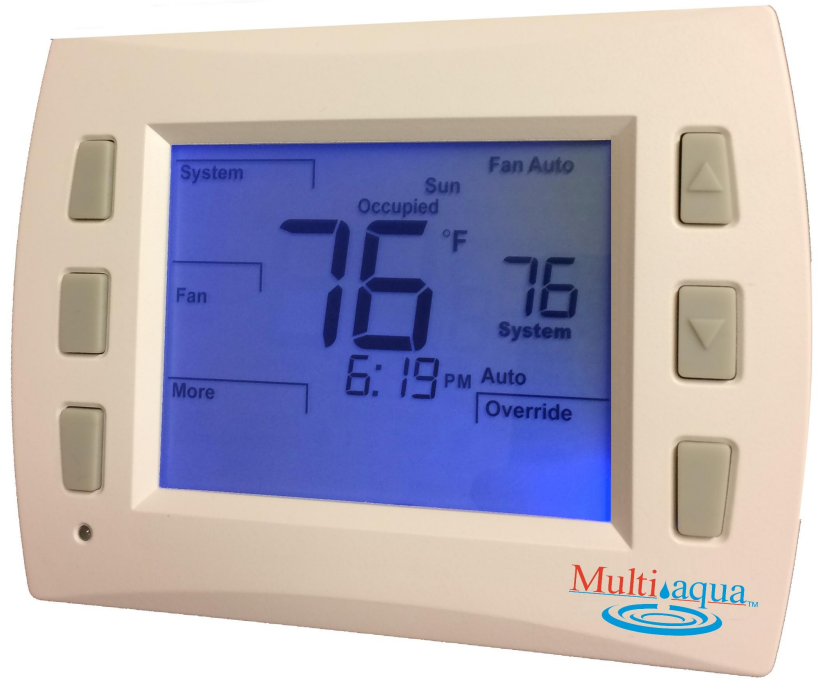
Features:

- 24VAC or battery powered
- 2 or 4 Pipe configurable (2H/2C)
- 1, 2, or 3 Fan speed configurable
- 7 Day, 5-1-1, 5-2 Programmable with 365 day calendar
- 3 Levels of lockout with PIN access
- SD memory card interface for repeat programming or copying
- 2 Sensor inputs + 1 aquastat input
- Occupancy sensor input / setback input
- Compressor & auxiliary lockout for dual fuel (fossil) or electric auxiliary heat
- Large back lit display

Title	MAI60011 Programmable Thermostat
Author	CF
Date	10-26-16
Rev.	1.23

Model Number	Voltage	Length	Height
MAI60011	24VAC	5.70 (in)	4.30 (in)

SD card interface for EASY programming

commercial grade

MAI60011 Multi-fan

Large display, digital thermostat
for commercial applications: including
fan coil, water source, heat pump & PTAC

Large BLUE backlit display
makes it easy to see & easy to adjust.

Programmable or non-programmable
that is field configurable.

Control fans up to 3-speeds
continuous, cycled, or staged.

Key pad lock-out option
allows for 3-levels of lock-out
with PIN code access.

Occupancy sensor input
enabling control to power-down when
room is unoccupied, then power-up
when room is occupied.

High Performance Commercial Functions

▸ Battery or low-voltage (hard-wired)

▸ Remote sensor input

▸ Daily valve-purge option

▸ Programmable fan

▸ Programmable holidays

▸ Heating / cooling LED

▸ *SD* memory card interface, 2 GB or smaller, enabling quick configuring of large-project installations

▸ Configurable operation of Heat (W1) for NC or NO
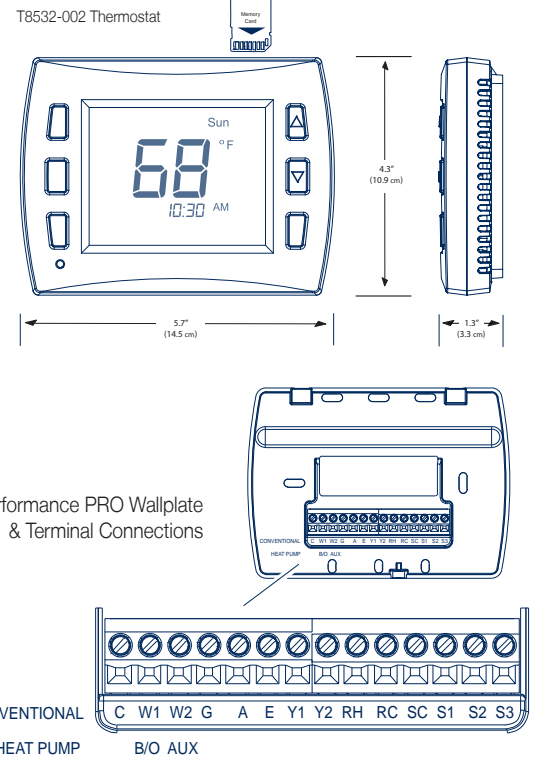
Multi aqua™

Fan   Refrigeration   PTAC / PTHP   Fan Coil   Heat Pump   **MAI60011**

T8532-002 Thermostat

Memory Card

4.3"
(10.9 cm)

5.7"
(14.5 cm)

1.3"
(3.3 cm)

Sun
68 °F
10:30 AM

Specifications

Temperature Control Range	50° to 90° F (10° to 32° C)
Operating Temperature Range	0° to 120° F (-18° to 49° C)
Storage Temperature Range	-20° to 130° F (-29° to 55° C)
Electrical Input Frequency	50/60 Hz +/- 10%
Input Power	24 VAC (20-30 VAC) and/or 2 AA alkaline batteries (Installing batteries recommended)
Output Terminal W - Heating	20-30 VAC 0.02-1.0 A
Output Terminal Y - Cooling	20-30 VAC 0.02-1.0 A
Output Terminal G - Fan	20-30 VAC 0.02-0.6 A
Output Terminal A - Fan	20-30 VAC 0.02-1.0 A
Termination Connections	Wallplate w/ terminal blocks
Memory Card	SD (Secure Digital)

Total load not to exceed 2.5 A

Performance PRO Wallplate
& Terminal Connections

CONVENTIONAL
HEAT PUMP
B/O AUX

CONVENTIONAL

C	W1	W2	G		A	E	Y1	Y2	RH	RC	SC	S1	S2	S3

HEAT PUMP   B/O AUX

Technical Data

Dimensions

Mounting	Direct mount; 2" x 4" horizontal or vertical, or 4" x 4"
LCD Viewable Size	8 inch^2 - 2.5" W x 3.2" H 51.8 cm^2 - 6.4 cm W x 8.1 cm H
Physical Dimensions	5.7" W x 4.3" H x 1.3" D

Models & Accessories

Model	Part No.	Description
MAI60011		2 Heat / 2 Cool, Multi-fan, programmable thermostat.
68671	68671	Remote sensor
69308	69308	Indoor remote sensor
70327	70327	Outdoor remote sensor
SB200-001	68375	Occupancy sensor - time based
SK200-001	68381	Occupancy sensor - guest room

Terminals

Fan Coil (Conventional)	Terminal	Terminal	Heat Pump
24 VAC ,Unswitched side	C		24 VAC ,Unswitched side
Stage 1 Heat	W1	B/O	Reversing Valve
Stage 2 Heat	W2	AUX	Auxiliary (Stage 2 or 3)
Fan High	G		Fan High
Fan Medium	A		Fan Medium
Fan Low	E		Fan Low
Stage 1 Cool	Y1		Compressor Stage 1
Stage 2 Cool	Y2		Compressor Stage 2
24 VAC Power for heating, switched side	RH		24 VAC Power for heating, switched side
24 VAC Power for cooling, switched side	RC		24 VAC Power for cooling, switched side
Signal Common	SC		Signal Common
Indoor Remote Sensor	S1		Indoor remote sensor
Occupancy Sensor	S2		Occupancy Sensor
Seasonal Changeover Switch OPEN = Cooling in Summer CLOSED = Heating in Winter	S3		-- --

RoHS Compliant

MAI60011

Fan   Refrigeration   PTAC / PTHP   Fan Coil   Heat Pump

Multiaqua™

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