MMA

Mini-Splits

Multi-Position Air Handler Indoor Units - R-410A - 60Hz

RESIDENTIAL / COMMERCIAL PRODUCT SPECIFICATIONS

Bulletin No. 211041
September 2023
Supersedes July 2023

MMA Multi-Position Indoor Unit with Furnished Wired Programmable Controller and Wireless Remote Controller

Nominal Capacity - 1.5 to 5 Tons

MODEL NUMBER IDENTIFICATION

M M A 036 SM 4 - 1 P

- **Series Type**
  M = Mini-Split
- **Unit Configuration**
  M = Multi-Position
- **Unit Type**
  A = Air Handler
- **Nominal Cooling Capacity**
  018 = 1.5 tons (single/multi-zone)
  024 = 2 tons (single/multi-zone)
  036 = 3 tons (single-zone)
  048 = 4 tons (single-zone)
  060 = 5 tons (single-zone)
- **Unit Type**
  SM = Single/Multi-Zone
  S = Single Zone
- **Refrigerant Type**
  4 = R-410A
- **Minor Design Sequence**
  1 = 1st Revision
- **Voltage**
  P = 208/230V-1 phase-60Hz

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APPROVALS AND WARRANTY

APPROVALS

- Indoor units and components UL and CEC bonded for grounding to meet safety standards for servicing
- AHRI Certified system match-ups, visit www.LennoxPros.com
- Optional electric heaters are UL listed and rated in accordance with US Department of Energy (DOE) test procedures and Federal Trade Commission (FTC) labeling regulations
- ISO 9001 Registered Manufacturing Quality System

WARRANTY

- All covered components
  - Limited five years in residential applications
  - Limited one year in non-residential applications
- Accessories and controls - Limited one year

NOTE - Refer to Lennox Basic Limited Warranty at www.Lennox.com for additional details.

FEATURES

APPLICATIONS

- 1.5 to 5 ton nominal sizes
- Multi-position applications (upflow, downflow and horizontal)
- Optional field installed electric heaters available in several sizes for additive heating capacity

REFRIGERANT SYSTEM

Evaporator Coil

- Enhanced aluminum alloy tube/enhanced fin coil for superior corrosion resistance
- Aluminum tubing, hairpins, distributor and header tubes.
- Twin coil construction assembled in a “A” configuration for large surface area
- Provides excellent heat transfer and low air resistance for maximum efficiency
- Precise circuiting for uniform refrigerant distribution
- Lanced fins provide maximum exposure of fin surface to air stream
- Rifled tubing provides superior heat transfer
- Coil thoroughly factory tested under high pressure to ensure leakproof construction

Refrigerant Line Connections

- Copper refrigerant flare connections on both liquid and gas lines
- Lines extend outside of the cabinet for ease of connection
- See dimension drawings for locations

BLOWER

Constant Torque Blower Motor

- Programmable high efficiency multi-speed DC blower motor
- By maintaining constant torque output, blower motor can deliver more uniform (but not constant) airflow over the static pressure range
- Programmable multi-speed operation is achieved by the use of an ECM (Electronically Commutated Motor) motor
- Leadless blower motor features simple plug-in connections
- Choice of blower speeds is available. See Blower Data tables
- Blower speed change is easily accomplished by a simple wiring change

Blower Assembly

- Statically and dynamically balanced as an assembly before installation in the unit
- Blower motor is resiliently mounted to blower assembly
- Blower slides out of cabinet for servicing

FEATURES

CONTROLS

Control Board
- LED Display
  - Displays unit status as well as any active fault codes
  - Displays unit setpoint during normal operation
- DIP switches for address, 24V control, static pressure
- Factory installed in the unit control box
- Terminal strip furnished
  - R, C. G, Y1, Y/Y2, B, W, W1, W2, E/AUX, DH/DS/BK, L

CABINET

- Constructed of heavy gauge galvanized steel
- Pre-painted cabinet finish
- Completely insulated with foil faced fiberglass insulation
- Removable panels provide complete service access
- Filter access door for easy filter replacement
- Electrical inlets provided in sides and top of cabinet
- See dimension drawing for locations

Low Leakage Cabinet
- All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010 "Method of Test for Determining the Air Tightness of HVAC Equipment"

Multi-Position Capability
- Shipped for upflow and horizontal left-hand discharge
- May be field converted to horizontal right-hand air
- Evaporator coil must be repositioned for horizontal-left or downflow positions

Multi-Position Drain Pans
- Deep, corrosion resistant high temperature engineered polymer drain pans have dual pipe drains
- See dimension drawing

Optional Accessories

Wired Programmable Remote Controller
- Programmable controller available, see Page 5
- M30 Smart Wi-Fi thermostat available, see Page 10

Condensate Pumps
- Quietly and efficiently removes condensate
- See Optional Accessories Table for available pumps

A/C Easy Tee® Condensate Cleanout
- Condensate drain service port
- Flexible and easy to use with nitrogen, water or shop vac
- Screw cap on top allows easy access to condensate drain line

Horizontal Support Frame Kit
- Provides support of unit in horizontal applications
- Consists of (2) 1 x 1-1/2 x 32-5/8 in. and (2) 1 x 3 x 53-7/8 in. painted heavy gauge cold rolled steel support channels with assembly and suspending holes
- Bolts and nuts furnished for field assembly
- Suspending rods must be field provided

Side Return Unit Stand (Upflow Only)
- Raises unit 16 in. above floor for side return air duct connection
- Eliminates need for wooden platform construction
- All aluminum construction
- Two adjustable frames fit all sizes

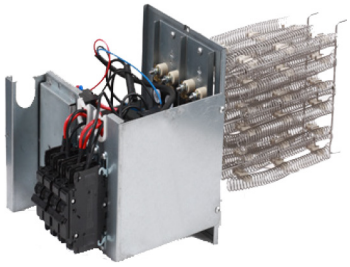
Wall Hanging Bracket Kit (Upflow Only)
- Allows unit to be hung on wall at any height
- Consists of heavy-gauge steel support brackets (one for air handler, one for wall mount)
- Screws furnished for fastening one bracket to unit
- Bolts for fastening one bracket to wall are field provided

FILTER

- Washable 1 inch filter is furnished
- Magnetic tool-less access
- Filter rack furnished in cabinet for easy filter installation
- See Specifications tables for filter sizes

FEATURES

OPTIONAL ELECTRIC HEAT



- UL listed
- Field install internal to unit cabinet
- Available in several kW sizes
- See Electric Heat tables
- Helix wound nichrome heating elements exposed directly in air stream resulting in instant heat transfer, low element temperatures and long service life
- Each element equipped with accurately located limit control with fixed temperature off setting and automatic reset
- Thermal sequencer relay brings elements on and off line, in sequence and equal increments, with time delay between each
- Initiates and terminates blower operation
- Heating control relay(s) furnished as standard
- Factory assembled with controls installed and wired
- Electric heat control wiring plugs into mating connector on air handler unit

Circuit Breaker

- All heaters are equipped with circuit breakers for overload and short circuit protection
- Factory wired and mounted on electric heat unit
- Current sensitive and temperature actuated
- Manual reset
- Flexible circuit breaker cover protects circuit breaker in areas with high humidity or unconditioned areas to prevent nuisance tripping
- Circuit breakers qualify as disconnect means at unit in many areas, eliminate the need for field provided disconnect
- Consult local electrical code in your area

REMOTE CONTROLLER - FURNISHED

WIRED PROGRAMMABLE CONTROLLER (M0STAT120N-1)

FEATURES

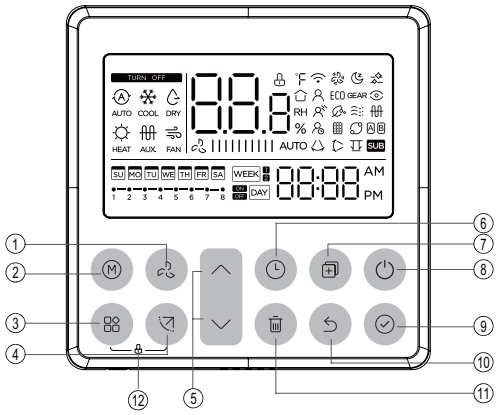
- Wired programmable local controller for mini-split indoor units with convenient timed schedules for daily operation
- Weekly timers (2), all days of the week timer, up to 8 scheduled events per day
- Schedule start time, mode, setpoint, and fan speed
- Compatible with all indoor units
- Copy/paste function for easy duplication of events to other days
- Built-in system diagnostics
- 3-1/2 in. back-lit LCD display screen
- Controller uses 4-wire shielded 20 ft. cable (furnished) for easy low voltage connection to the indoor unit
- Adaptor cables are furnished for various indoor unit connections

NOTE - Cable for longer lengths must be ordered separately.

NOTE - Maximum cable length is 164 ft..

- Hardware for mounting furnished
- Mounts to standard electrical junction box (not furnished)
- Lithium battery furnished: CR2032
- Power Supply: 12 VDC
- Dimensions (H x W x D): 4-3/4 x 4-3/4 x 7/8 in.
- Audible tone when a button is pressed (can be disabled)
- Lock function disables buttons to prevents tampering

DISPLAY



BUTTONS AND FUNCTIONS

1. FAN SPEED Button
   - Scroll through fan speeds (Auto - Low - Med - High)
2. MODE Button
   - Use + and – buttons to scroll through available operation modes (Auto / Cool / Dry / Heat / Fan)
3. FUNCTION Button
   - Scrolls through unit operations in this order:
     1. Turbo
     2. Sleep
     3. Follow Me
4. SWING Button
   - Used to stop or start louver auto swing feature (certain models)
   - Louvers oscillate up and down automatically. Press and hold the Swing button again to disable.
   - Pressing the Swing button multiple times will set the louvers at five different fixed airflow angles.
   - Press and hold Swing button for 2 seconds to activate left/right louver operation. Louvers swing left and right automatically.
5. UP/DOWN Buttons
   - Increase or decrease the indoor temperature in one degree increments (maximum 86°F, minimum 60°F).

   NOTE - Temperature cannot be adjusted in FAN mode.
6. TIMER Button
   - Sets unit for daily or weekly on/off operation
7. COPY Button
   - Copy schedules from one day to another
8. POWER Button
   - Turn system on and off
9. CONFIRM Button
   - Confirms each step when managing schedules

   NOTE - Press and hold and **Confirm** Button and the **Arrow Down** button together for 3 seconds to alternate the temperature display between the °F and °C scale.
10. BACK Button
    - Returns to the previous step
11. DAY OFF/DELAY BUTTON
    - Disable specific days/schedules of the week
    - Delete a specific event
12. LOCK
    - Press the **Function** and **Swing** buttons simultaneously to lock the Controller to prevent tampering with settings

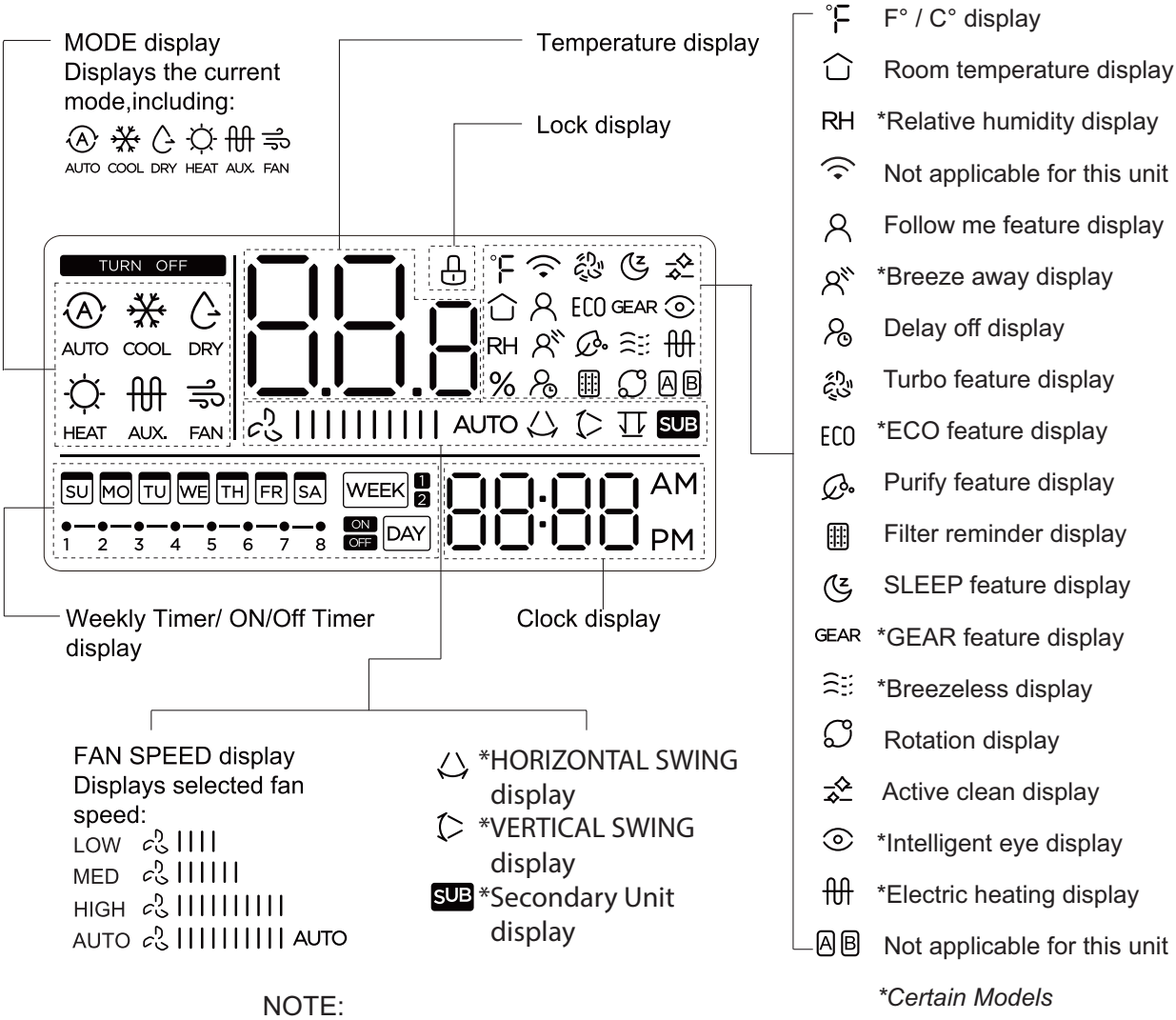
OPTIONAL ACCESSORIES

Extension Cable for Wired Programmable Controller

- 20 ft. cable for easy low voltage connection to the indoor unit
- Extends cable to 40 ft. (12 m) length

REMOTE CONTROLLER - FURNISHED

WIRED PROGRAMMABLE REMOTE CONTROLLER INDICATORS (M0STAT120N-1)



NOTE:
All icons are shown for display purposes only.
During actual unit operation, only active icons are displayed.

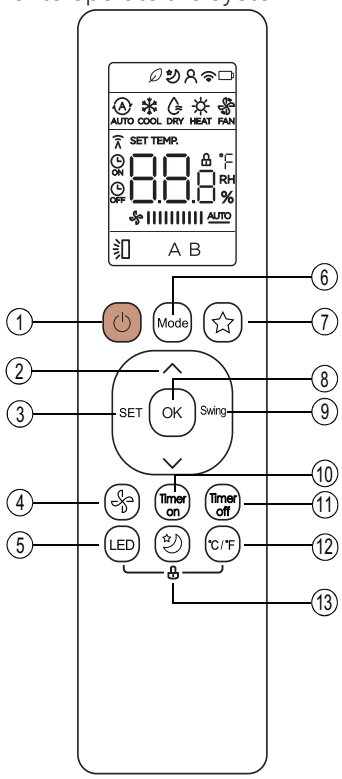
REMOTE CONTROLLER - FURNISHED

WIRELESS REMOTE CONTROLLER (RG10F2-MMA)

- Complete remote control of system
- Maximum operating range is 26 ft.
- Operates on two AAA 1.5V batteries (furnished)
- Wireless remote controller holder furnished
- Holder can be mounted on a wall for easy access
- Mounting screws furnished

NOTE - Wireless Remote Controller is used in conjunction with the furnished Programmable Wired Controller (M0STAT120N-1).

Infrared sensor on the wired programmable controller receives signals from the the wireless controller to operate the system.



1 ON/OFF Button
- Turns system on and off

2 UP/DOWN Buttons ∧ ∨
- Increase or decrease the indoor temperature in one degree increments (maximum 86°F, minimum 62°F)

NOTE - Temperature cannot be adjusted in FAN mode.

NOTE - Press and hold and buttons together for 3 seconds to alternate the temperature display between the °C and °F scale.

3 SET Button
- Scrolls through operation functions in the following order:
  - Fresh (not used)
  - I SENSE
  - AP mode (not used)

4 FAN Button
- Cycles fan speeds in the following order:
  - AUTO → LOW → MED → HIGH

5 LED Button (not used)

6 MODE Button
- Select system operation modes
- Press button to cycle through each setting:
  - AUTO → COOL → DRY → HEAT → FAN

7 SHORTCUT Button
- Restore the current settings or resume the previous settings

8 OK Button
- Confirms selected function

9 SWING Button (not used)

10 TIMER ON Button
- Initiates an auto-on time sequence
- Press TIMER button to initiate the ON time sequence
- Press Temp. up or down button multiple times to set the desired start time to turn on the unit

NOTE - Each press of the button increases or decreases the time (depending on function) in 30 minute increments up to 10 hours.

Above 10 hours each press of the button will increase or decrease the auto-timed setting by 60 minutes up to 24 hours.

11 TIMER OFF Button
- Terminates the auto-on time sequence
- Press Temp. up or down button multiple times to set the desired stop time to turn off the unit

NOTE - Each press of the button increases or decreases the time (depending on function) in 30 minute increments up to 10 hours.

Above 10 hours each press of the button will increase or decrease the auto-timed setting by 60 minutes up to 24 hours.

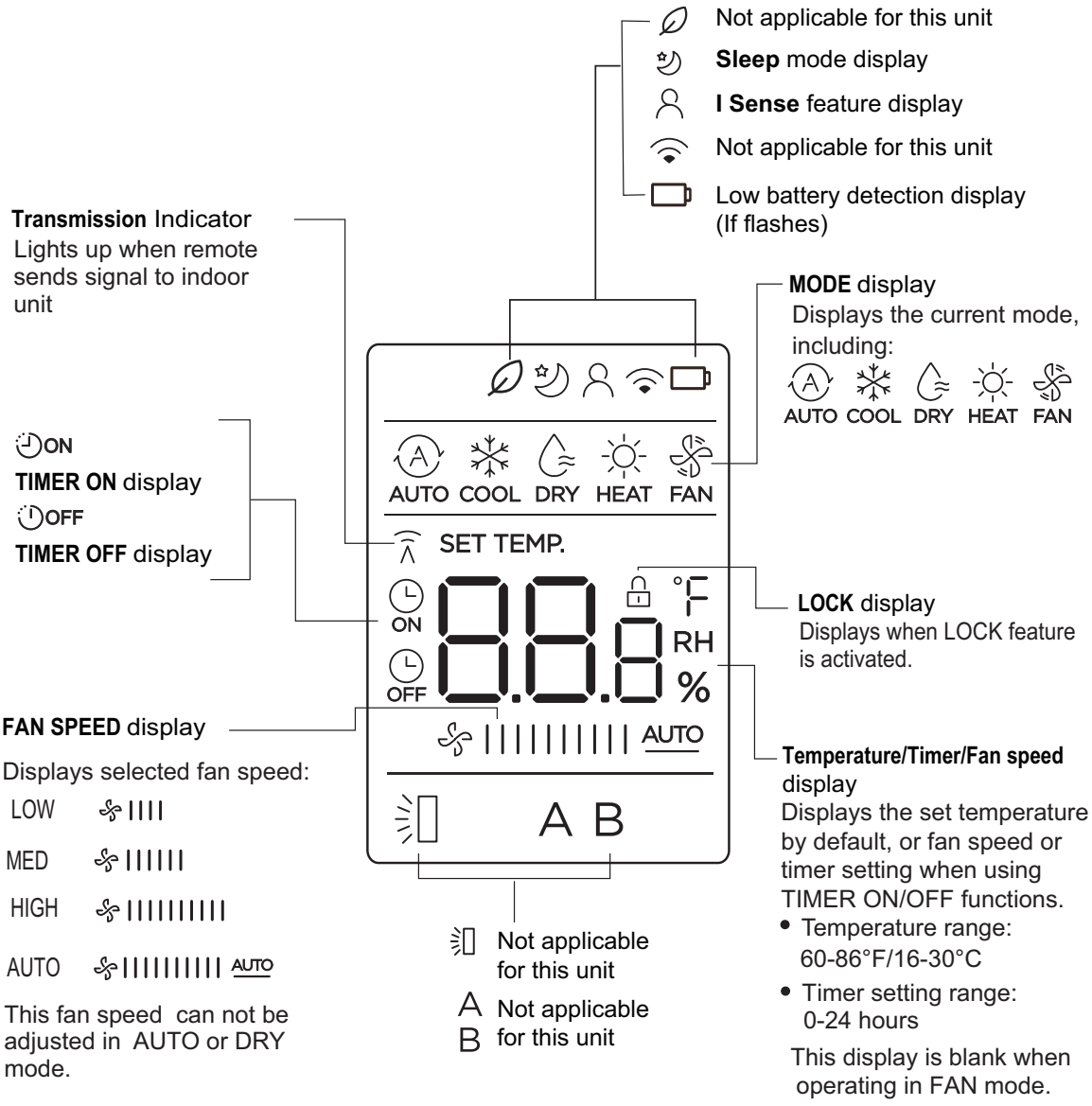
12 CELSIUS/FAHRENHEIT Button
- Press to change the display between the °C & °F

13 SLEEP Button
- Enables the system to automatically increase cooling or decrease heating (in 2°F increments) per hour for the first 2 hours, then maintain a steady temperature for 5 hours
- System keeps the final operation mode after 8 total hours of operation

NOTE - SLEEP mode is only available when the unit is in COOL, HEAT or AUTO mode.

REMOTE CONTROLLER - FURNISHED

WIRELESS REMOTE CONTROLLER INDICATORS (RG10F2-MMA)



Note:
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REMOTE CONTROLLER - FURNISHED

WIRELESS REMOTE CONTROLLER OPERATION (RG10F2-MMA)

Auto Operation

1. Press the MODE button to select Auto.
2. Press the UP/DOWN button to set the desired temperature.
3. Press the ON/OFF button to start the system.

Cooling /Heating/Fan Operation

1. Press the MODE button to select COOL, HEAT or FAN mode.
2. Press the UP/DOWN buttons to set the desired temperature.
3. Press the FAN button to select the fan speed in four steps- Auto, Low, Med or High.
4. Press the ON/OFF button to start the system.

Dehumidifying (DRY) Operation

1. Press the MODE button to select DRY mode.
2. Press the UP/DOWN buttons to set the desired temperature.
3. Press the ON/OFF button to start the system.

NOTE - Fan speed selection is disabled.

Timer ON Operation

1. Press the TIMER ON button. The remote controller shows TIMER ON icon
2. Press the UP/DOWN buttons to set desired time. Each time the button is pressed the time increases by 30 minutes between 0 and 10 hours and then by 60 minutes between 10 and 24 hours.
3. After setting the TIMER ON there will be a one second delay before the remote controller transmits the signal to the unit. After approximately 2 seconds the set temperature will re-appear on the LCD display window.

NOTE - To cancel Timer On time, set the timer to 0.0h.

Timer OFF Operation

1. Press the TIMER OFF button. The remote controller shows TIMER OFF icon
2. Press the UP/DOWN buttons to set desired time. Each time the button is pressed the time increases by 30 minutes between 0 and 10 hours and then by 60 minutes between 10 and 24 hours.
3. After setting the TIMER OFF there will be a one second delay before the remote controller transmits the signal to the unit. After approximately 2 seconds the set temperature will re-appear on the LCD display window.

NOTE - To cancel Timer Off time. set the timer to 0.0h.

Lock Function

1. Press the LED and °C/°F buttons together two times for five seconds to lock the Controller to prevent tampering
2. Press the LED and °C/°F buttons together again for two seconds to unlock the Controller

I SENSE

- Enables the remote controller to measure the temperature at its current location and send this signal to the unit every three minutes
- When using AUTO, COOL or HEAT modes, measuring ambient temperature from the remote controller enables the unit to optimize the temperature to ensure maximum comfort

OPTIONAL CONTROLS - ORDER SEPARATELY

M30 SMART WI-FI THERMOSTAT

- Wi-Fi-enabled, electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat
- 4 Heat/2 Cool
- Auto-changeover
- Dual-fuel control with optional outdoor sensor
- Controls dehumidification during cooling mode and humidification during heating mode

- Offers enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, Humiditrol® control, and equipment maintenance reminders
- Easy to read 4.3 in. color touchscreen (measured diagonally)
- LCD display with backlight shows the current and set temperature, time, inside relative humidity, system status (operating mode and schedules) and outside temperature (optional outdoor sensor required)
- Smooth Setback Recovery starts system early to achieve setpoint at start of program period
- Compressor short-cycle protection (5 minutes)
- Up to four separate schedules are available plus Schedule IQ™
- One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away
- Smart Away™ - Uses geo-fencing technology to determine when the homeowner is within a predetermined distance from the home to operate the system when leaving, away and arriving
- Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets
- Smart home automation compatible with Amazon Alexa®, Google Assistant and IFTTT
- Service Dashboard features online real-time monitoring of installed Lennox® thermostats

NOTE - See the Lennox® M30 Smart Wi-Fi Thermostat Product Specifications bulletin in the Controls section for more information.

Remote Outdoor Temperature Sensor

- Used with the Lennox® M30 Smart Thermostat
- Outdoor sensor allows thermostat to display outdoor temperature

NOTE - Sensor is required for the Enhanced Dehumidification Accessory (EDA).

SPECIFICATIONS

Model No.	MMA018SM4	MMA024SM4	MMA036S4	MMA048S4	MMA060S4
Nominal Tons	1.5	2	3	4	5
Power Supply - 60 Hz - 1 phase	208/230V	208/230V	208/230V	208/230V	208/230V
[1] Maximum overcurrent protection (MOCP) (unit only)	15	15	15	15	15
[2] Minimum circuit ampacity (MCA) (unit only)	3	4	5	7.5	9
Room Temperature Range (°F) Cooling	60 - 90	60 - 90	60 - 90	60 - 90	60 - 90
Heating	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30
Air Volume - cfm (High/Medium/Low)	576/529/489	759/694/629	1082/971/865	1282/1094/906	1582/1359/1135
External Static Pressure (in. w.g)	0 - 0.8	0 - 0.8	0 - 0.8	0 - 0.8	0 - 0.8
Sound Data (dBA) - Low/Medium/High	39/37/35	41/39/38	46/42/39.5	53.5/47/43.5	50/47/45
Piping Connections - Liquid/Gas line (o.d.) - in. flare	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 7/8
Drain connection o.d. - in. fpt	3/4	3/4	3/4	3/4	3/4
[3] Filters Size of filter - in.	16 x 20 x 1	16 x 20 x 1	19-1/2 x 20 x 1		23 x 20 x 1
Shipping weights - lbs.	128	128	153	156	190
Optional Electric Heat	Electric Heat - See Electric Heat Data Tables on Page 12				
Electric Heat Net weights - lbs.	11	13	13	15	16

[1] HACR type circuit breaker or fuse.
[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.
[3] Washable filter.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description		Catalog No.	Size				
			018	024	036	048	060
AIR HANDLERS							
[1] Diversitech Condensate Pumps with Reservoir	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V	**Y7949**	•	•	•	•	•
	ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120-240V	**Y5170**	•	•	•	•	•
[1] Blue Diamond® Condensate Pumps with Reservoir	MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110-230V	**14T74**	•	N/A			
	MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208/230V	**14T69**	N/A	•	•	N/A	
	MegaBlue® - 13.2 US gallons per hour, 23 ft. lift - 208/230V	**14T71**	N/A			•	•
	MultiTank Kit	**14T75**	N/A	•	•	•	•
	Sensor Cable Extension - 16 ft.	**14T76**	•	•	•	•	•
Little Giant Condensate Pump Kit with Reservoir	Mini-Split Pump Kit - 2.5 US gallons per hour, 3 ft. lift - 100-240V (includes pump, reservoir, multi-size hose drain adaptor, 7 ft. detachable power cord, pump enclosure/cover, line set cover and mounting trim brackets)	**Y8794**	•	•	•	•	•
A/C Easy Tee® Condensate Cleanout		**Y7947**	•	•	•	•	•
Horizontal Support Frame Kit		**56J18**	•	•	•	•	•
Side Return Unit Stand (Upflow Only)		**45K32**	•	•	•	•	•
Wall Hanging Bracket Kit (Upflow Only)		**45K30**	•	•	•	•	•
CONTROLS							
Extension Cable for Wired Programmable Controller - 20 ft.		**Y8738**	•	•	•	•	•
Indoor/Outdoor Wiring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft.		**Y2067**	•	•	•	•	•
M30 Smart Wi-Fi Thermostat		**15Z69**	•	•	•	•	•
Remote Outdoor Temperature Sensor		**X2658**	•	•	•	•	•

[1] Y7949 and 14T74 condensate pumps can be installed inside the indoor units. All other pumps must be installed external to the indoor unit.

ELECTRIC HEAT DATA

Indoor Model Usage	Electric Heat Size and Model Number		Input			[2] Minimum Circuit Ampacity (MCA)		[3] Maximum Overcurrent Protection (MOCP)	
			Volt	kW	[1] Btuh	Ckt 1	Ckt 2	Ckt 1	Ckt 2
018, 024, 036	**5 kW**	EAH-05B **(24Z26)**	208	3.8	12,800	23 / 27	- - -	25 / 30	- - -
			220	4.2	14,300				
			230	4.6	15,700				
			240	5.0	17,100				
018, 024, 036, 048	**8 kW**	EAH-08B **(24Z27)**	208	6.0	20,500	37 / 42	- - -	40 / 45	- - -
			220	6.7	22,900				
			230	7.3	25,100				
			240	8.0	27,300				
018, 024, 036, 048, 060	**10 kW**	EAH-10B **(24Z28)**	208	7.5	25.600	46 / 53	- - -	50 / 60	- - -
			220	8.4	38.700				
			230	9.2	31.400				
			240	10.0	34.100				
024, 036, 048, 060	**15 kW**	EAH-15B **(24Z29)**	208	11.3	38,400	23 / 27	46 / 53	25 / 30	50 / 60
			220	12.6	43,000				
			230	13.5	47,000				
			240	15.0	51,200				
036, 048, 060	**20 kW**	EAH-20B **(24Z30)**	208	15.0	51,200	46 / 53	46 / 53	50 / 60	50 / 60
			220	16.8	57,300				
			230	18.4	62,700				
			240	20.0	68,200				

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

[1] Electric heater capacity only - does not include additional blower motor heat capacity.

[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

[3] HACR type breaker or fuse.

ELECTRIC HEAT AIR VOLUME SETTINGS

Air Handler Model No.	Air Volume DIP Switch Setting	Air Volume (cfm)	Electric Heat kW
018	000 (default)	660	10 kW
	001	630	8 kW, 10 kW
	010	600	8 kW
	011	570	3 kW, 5 kW
024	000 (default)	880	15 kW
	001	850	8 kW, 15 kW
	010	830	8 kW, 10 kW
	011	800	3 kW, 5 kW
036	000 (default)	1320	20 kW
	001	1255	15 KW
	010	1190	8 kW, 10 kW
	011	1125	8 kW, 5 kW
048	000 (default)	1760	20 kW
	001	1675	10 kW, 15 kW
	010	1580	8 kW, 10 kW
	011	1490	8 kW
060	000 (default)	- - -	- - -
	001	2055	15 kW, 20 kW
	010	1920	10 kW, 15 kW
	011	1775	10 kW

NOTE - Refer to the Installation Instructions for information about DIP Switch Settings.

BLOWER DATA

MMA018SM4 BLOWER PERFORMANCE

External Static Pressure in. w.g.	Air Volume (cfm) at Various Speeds		
	Low	Medium	High
0	489	524	573
.10	493	528	577
.15	490	532	580
.20	488	542	576
.30	501	523	579
.40	497	524	574
.50	495	533	573
.60	492	523	576
.80	489	521	577
1.00	488	519	574

NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.

MMA024SM4 BLOWER PERFORMANCE

External Static Pressure in. w.g.	Air Volume (cfm) at Various Speeds		
	Low	Medium	High
0	598	692	752
.10	613	690	746
.15	625	685	750
.20	630	695	756
.30	632	693	750
.40	635	692	746
.50	631	688	741
.60	624	684	745
.80	614	670	735
1.00	624	654	714

NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.

MMA036SM4 BLOWER PERFORMANCE

External Static Pressure in. w.g.	Air Volume (cfm) at Various Speeds		
	Low	Medium	High
0	879	1010	1137
.10	883	1001	1123
.15	888	1001	1119
.20	892	1000	1120
.30	893	995	1112
.40	893	995	1111
.50	892	996	1113
.60	890	983	1101
.80	873	996	1094
1.00	826	969	1088

NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.

BLOWER DATA

MMA048SM4 BLOWER PERFORMANCE

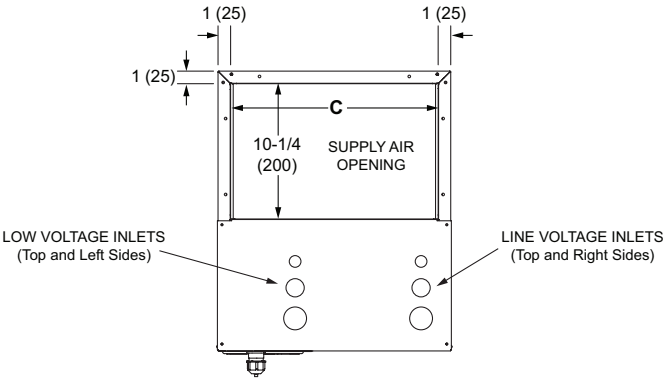
External Static Pressure in. w.g.	Air Volume (cfm) at Various Speeds		
	Low	Medium	High
0	946	1155	1325
.10	943	1156	1328
.15	942	1154	1337
.20	948	1154	1337
.30	947	1143	1330
.40	940	1147	1333
.50	940	1149	1338
.60	933	1143	1335
.80	925	1140	1321
1.00	925	1113	1321

NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.

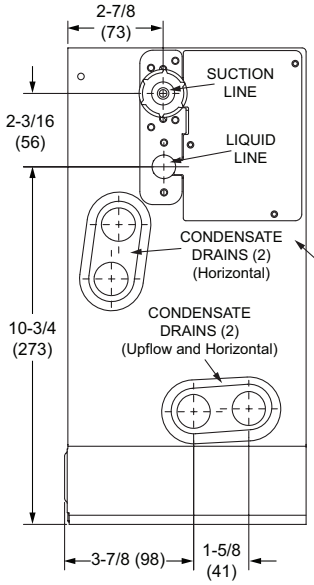
MMA060SM4 BLOWER PERFORMANCE

External Static Pressure in. w.g.	Air Volume (cfm) at Various Speeds		
	Low	Medium	High
0	1151	1367	1608
.10	1133	1358	1590
.15	1136	1362	1586
.20	1132	1361	1560
.30	1128	1360	1561
.40	1134	1352	1554
.50	1130	1353	1549
.60	1133	1348	1545
.80	1126	1340	1543
1.00	1118	1316	1548

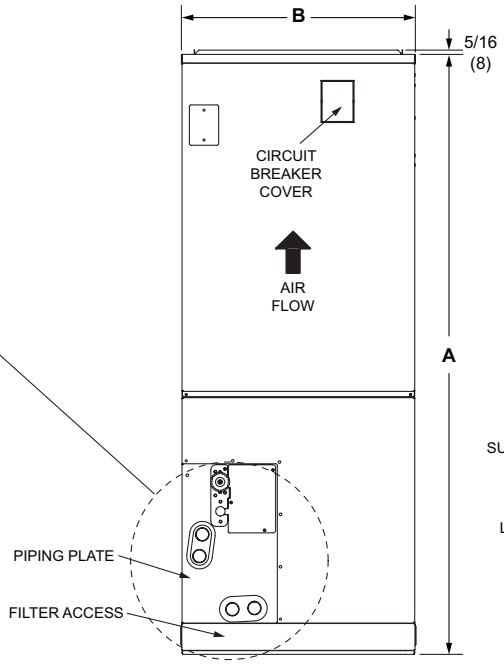
NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.



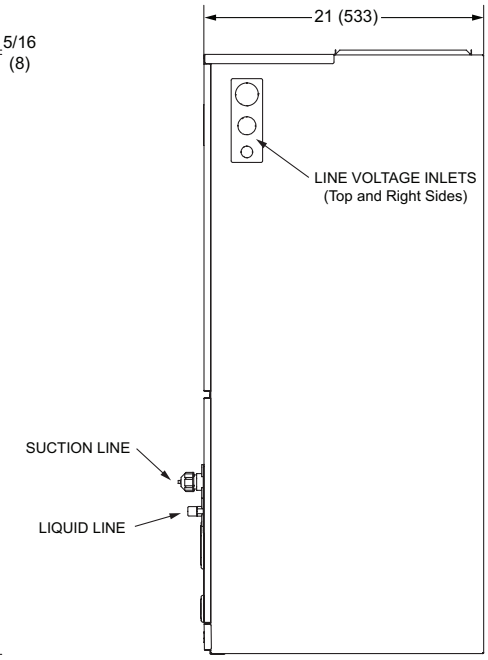
TOP VIEW



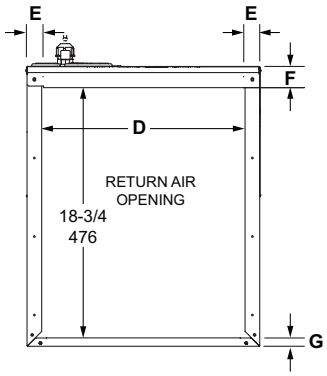
PIPING PLATE DETAIL



FRONT VIEW



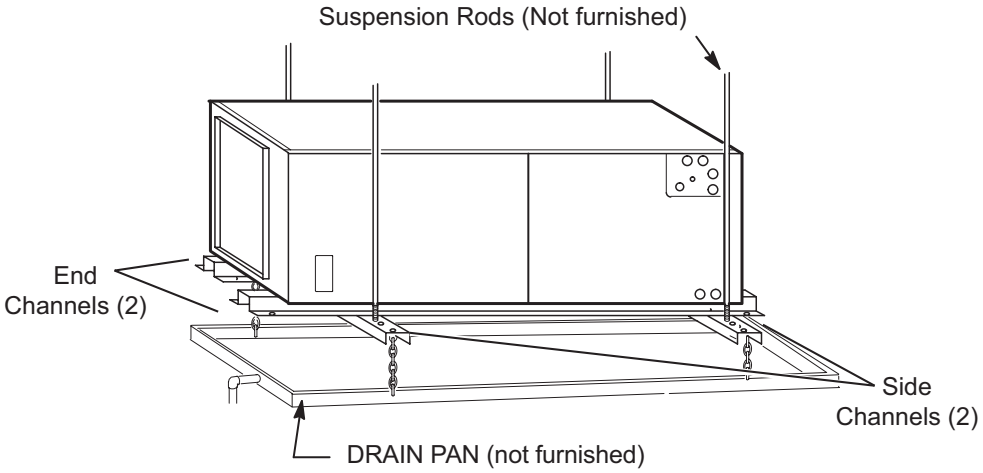
RIGHT SIDE VIEW



BOTTOM VIEW

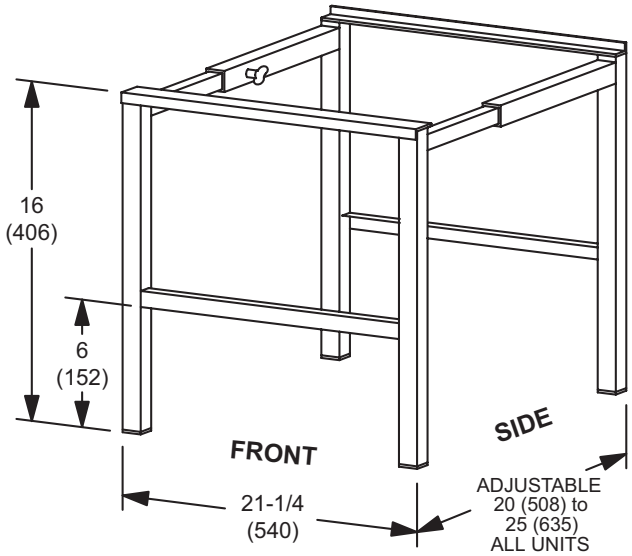
Model No.	018 / 024		036 / 048		060	
	in.	mm	in.	mm	in.	mm
A (Height)	45	1143	49	1245	53	1346
B Width)	17-1/2	445	21-1/4	540	24-1/2	622
C	15-5/8	397	19-1/8	486	22-5/8	575
D	15-1/8	384	18-5/8	473	22-1/8	562
E	1-1/4	32	1-1/4	32	1-1/8	28
F	1-1/2	38	1-5/8	41	1-5/8	41
G	5/8	16	5/8	16	3/4	19

HORIZONTAL SUPPORT FRAME KIT



Includes (2) 1 x 1-1/2 x 32-5/8 in. side channels and
(2) 1 x 3 x 53-7/8 in. end channels.

SIDE RETURN UNIT STAND
(Upflow Only)



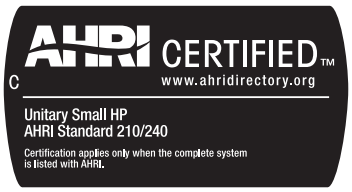
INSTALLATION CLEARANCES

Cabinet	0 inch (0 mm)
To Plenum	0 inch (0 mm)
To Outlet Duct within 3 feet (914 mm)	0 inch (0 mm)
Floor	0 inch (0 mm) See Note #1
Service / Maintenance	See Note #2

[1] Units installed on combustible floors in the downflow position with electric heat do not require a downflow combustible flooring base.
[2] Front service access - 24 inches (610 mm) minimum.

REVISIONS

Sections	Description of Change
Optional Accessories	Removed wired programmable controller (M0STAT120N-1). Now furnished as standard.
Remote Controller - Furnished	Added wired programmable controller M0STAT120N-1 as standard Added wireless remote controller RG10F2-MMA as standard.



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NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.
Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
Installation and service must be performed by a qualified installer and servicing agency.

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