This manual must be left with the owner for future reference.

**IMPORTANT**
Frequent changes to operating mode may cause system malfunction. Allow at least one minute between mode changes to allow the system to stabilize.

**WARNING**
Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life.
Installation and service must be performed by a licensed professional HVAC installer (or equivalent) or service agency.

**Shipping and Packing List**
Package 1 of 1 contains;
1 – Wired Controller
1 – Lithium battery
3 – Screws (mount to wall)
2 – Screws (mount to J-box)
2 – Plastic spacers (J-box)
1 – Connection Cable A with connector for all indoor units
1 – Connection Cable B with connector for MMDA/B, MCFA/B, M22A and M33A/B indoor units
1 – Connection Cable C with connector for MWMA/B indoor units
1 – Installation and operation manual

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>5 VDC</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>23<del>110°F (-5</del>43°C)</td>
</tr>
<tr>
<td>Ambient humidity</td>
<td>RH40%~RH90%</td>
</tr>
</tbody>
</table>
General
The M0STAT64Q is a wired programmable local controller for mini-split indoor units with convenient timed schedules for daily operation. These instructions are intended as a general guide and do not supersede local codes in any way. Consult authorities having jurisdiction before installation.

Requirements
Be sure that power supply has been turned off before beginning installation. This controller should be used only as described in this manual. Do not install the controller on outside walls (where there is unconditioned space on opposite side of wall) or in locations where direct sunlight may be present.

Dimensions

![M0STAT64Q Dimensions Diagram]

Figure 1. M0STAT64Q Dimensions

Wiring Connections

⚠ WARNING
Be sure that power supply has been turned off before beginning installation.

⚠ CAUTION
Clean controller using a clean, damp cloth. Do not spray cleanser on or around controller.

⚠ WARNING
Do not operate controller with wet hands.

⚠ CAUTION
Do not install controller in areas where heavy oil, vapor, or gases containing sulfur may exist or the controller may be damaged.
This manual provides the installation instructions for this controller. Refer to the included wiring diagrams to connect the controller to the indoor unit.

- The controller uses low voltage. Keep a minimum distance of 12” (305 mm) between low voltage control wire and high voltage power wires.

**IMPORTANT**

Read all of the information in this manual before using this controller. All wiring must conform to local and national building and electrical codes and ordinances. This is a 5 VDC controller. Do not install on voltages higher than 5 VDC.

- Ground the shielded control wiring.
- Do not use a megger to test insulation.
- The controller cable length should not exceed 164 ft (50 m).

1. Use the wiring connections illustrations (Figures 2 and 6) to connect the controller to the indoor unit. **NOTE - Connection details for wall-mounted units differ from the other indoor unit types.**
Figure 3. MMDA/B Main Board

Figure 4. M22A and M33A/B Main Board

Figure 5. MCFA/B Main Board

Figure 6. MFMA Main Board
Figure 7. Wiring Connections MWMA/B

**NOTE** - CN 403 is used to connect either the M0STAT64Q local controller OR a centralized control. It is not possible to connect both the M0STAT64Q controller and a centralized control to this unit.

Figure 8. MWMA/B Receiver Board

Figure 9. Wiring Connections to MFMA
2. Select the cable exit route from the back of the controller.

3. Include a drip loop in the cable.

4. Seal the cable entrance to the controller casing and any wall penetrations to prevent water from entering the controller.

5. Reattach the controller to the back plate. Be careful not to pinch or bind the wires.

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**Figure 10. Select Cable Route**

**Figure 11. Prevent Water from Entering Controller Casing**

**Figure 12. Reattach Controller to Back Plate**
Installation

1. Remove the controller from the back plate using a flat-head screwdriver.

2. Mount the back plate as appropriate for your application.

3. J-box installation - Adjust the length of the two plastic spacers as needed to allow the controller to be mounted flush with the wall.

   **NOTE** – Be sure to provide for future maintenance by allowing enough slack in the wiring to allow the controller to be removed from the wall if needed.

4. Insert the provided battery into controller, positive side out. The battery stores the day and time in case of power outage. Replace the battery when it’s charge is depleted.

5. Reattach the controller to the back plate. Be careful not to pinch or bind the wires.
Display

- Operation Mode
- Fan Speed
- Faceplate Function
- Not Used
- Faceplate Function
- Turbo/PTC
- °F or °C
- Temperature display
- Lock Indication
- Room Temperature
- Clock

Horizontal and Vertical Swing (not available for all indoor unit models)

Schedule

On/Off Timer

1 Displays cooling set point, heating set point or room temperature
Description of Buttons

- Swing button (Swing function not available for all indoor unit models)
- Timer
- Day Off/Delete
- Decrease
- Power
- Increase
- Fan speed (Lock)
- Copy/Follow me
- Back/Turbo
- Confirm
- Mode
- Fan speed

Image of a remote control with buttons labeled accordingly.
Setup

Set the Current Day and Time
1. Press and hold the Timer button for 3 seconds.
2. Use the + and - buttons to select the day. The selected day will flash.
3. Press the Timer button to complete the date setting.
4. Use the + and - buttons to set the current time. **NOTE** – The controller uses a 24-hour clock.
5. Press the Timer button to complete the time setting.

Select Fahrenheit or Celsius for display
Press and hold the Back/Turbo button and the Copy/Follow me button simultaneously for 3 seconds to toggle between displaying degrees Fahrenheit or degrees Celsius.

To Set Room Temperature Sensor Location
Press the Copy/Follow me button to toggle between having the room temperature sensed by the indoor unit or by the controller. **NOTE** - The Follow me indicator will display on the screen when the room temp is being sensed by the controller.

Key Pad Tone (beep)
1. Press and hold the Swing button and the Timer button simultaneously for 3 seconds to turn off the key pad tone.
2. Press and hold the Swing button and the Timer button simultaneously for 3 seconds again to turn on the key pad tone.
Operation

To Start/Stop Operation
Press the Power button.

To set the operation mode
1. Press the Mode button to set the operation mode.
2. Use the + and - buttons to scroll through the mode selections.
   - **Auto** – System will automatically switch between heating and cooling depending on the temperature sensed.
   - **Cool** – System operates in cooling mode.
   - **Dry** – System removes humidity according to preset conditions (fan speed and set point temperature, not a humidistat sensor). Cannot adjust fan speed.
   - **Heat** – System operates in heating mode.
   - **Fan** – Fan only, no heating or cooling.

To Set (or change) the Set point
Press the + and - buttons to set the setpoint.
*NOTE - the set point range is 62-86°F (17-30°C).*

To Set the Fan Speed
Press the Fan speed (Lock) button to scroll through the fan speeds. Auto → Low → Med → High

To Set Child Lock Function
1. Press and hold the Fan speed (Lock) button for 3 seconds to lock all of the controller buttons.
2. Press and hold the Fan speed (Lock) button again for 3 seconds to unlock all of the buttons.

Turn ON/OFF Turbo Function
Press the Back/Turbo button to activate and deactivate the turbo functionality.
- **Cooling Mode** - Turbo sets the indoor unit fan speed to high for a factory-set period of time.

Set Swing Function
Press the Swing button to adjust louver direction and oscillation.
4. Press and hold the Swing button for two seconds to begin continuous louver oscillation. The Swing icon displays on the screen. Swing functionality not available for all indoor unit types.
5. For cassette units only, adjust each of the four louvers independently. Press and hold the Swing button for two seconds. The Swing icon will flash. Press the increase or decrease buttons to select the louver to adjust (the -0 setting makes all louvers move at the same time). After selecting the louver to adjust, press the Swing button to adjust the louver angle. Each press moves the louver 6°.
Timer and Schedules

Use the Timer button to setup Weekly schedules or to setup timed operation for the indoor unit. Timers are used to schedule On/Off operation only. Schedules are used to change operational settings for defined periods of time (events).

Setup Timed Operation Start Time
1. Press the Timer button until Day On is highlighted.
2. Press the Confirm button.
3. Use the + and - buttons to set the time to start operation.
4. Press the Confirm button.

Setup Timed Operation Stop Time
1. Press the Timer button until Day Off is highlighted.
2. Press the Confirm button.
3. Use the + and - buttons to set the time to stop operation.
4. Press the Confirm button.

Setup Timed Operation Start and Stop Time
1. Press the Timer button until Day On/Off is highlighted.
2. Press the Confirm button.
3. Use the + and - buttons to set the time to start operation.
4. Press the Confirm button
5. Use the + and - buttons to set the time to stop operation.
6. Press the Confirm button.

Create Schedules (up to 8 events per day)
1. Press the Timer button until Week is highlighted.
2. Press the Confirm button.
3. Use the + and - buttons to select the day of the week to setup the scheduled events.
4. Press the Confirm button.
5. Setup the first event of the schedule.

Create and Setup Scheduled Events (up to 8 events per day)
1. After selecting the scheduled day.
2. Use the + and - buttons to set the start time of the event. The display will show the event’s start time, mode, setpoint and fan speed.
3. Press the Confirm button to confirm the start time and move to the operation mode selection.
4. Use the + and - buttons to select the operation mode for the event.
5. Press the Confirm button to confirm the operation mode and move to the setpoint selection.
6. Use the + and - buttons to set the setpoint for the event.
7. Press the Confirm button to confirm the setpoint and move to the fan speed selection. Not available when operation mode is set to Fan or Off.
8. Use the + and - buttons to select the fan speed for the event.
9. Press the Confirm button to confirm the fan speed and complete the settings for this event. Not available when operation mode is
set to Auto, Dry or Off.

10. Follow steps 2 through 9 to setup the next event. Each event ends at the start time of the next event.

**NOTE** - *Use the Back/Turbo button to return to the previous step during event setup.*

### Activate and Deactivate Timed Operation

1. Press the Timer button to activate timed operation.
2. Press the Power button to deactivate timed operation.

### Setup Days Off

Setup a day, or multiple days, within the scheduled week for which the indoor unit will not operate. When the day arrives, the unit will be powered off and will not operate until the next day’s first event. Once the set day has passed, the Day Off setting is automatically removed.

1. Press the Timer button.
2. Press the Confirm button.
3. Use the + and - buttons to select the day of the week.
4. Press the Day off/Del button.
5. Press the Back/Turbo button.
6. Follow steps 3 and 4 for every day off required.

### Copy a Schedule to a New Day

All events for the scheduled day will be copied.

1. Press the Timer button until Week is highlighted.
2. Press the Confirm button.
3. Use the + and - buttons to select the day to copy from.
4. Press the Copy/Follow Me button. The letters “CY” will be displayed on the screen.
5. Use the + and - buttons to select the day to copy to.
6. Press the Copy/Follow Me button to confirm.
7. Press the Back/Turbo button to return to the weekly timer.
8. Follow steps 3 through 7 to copy a schedule for additional days.

### Edit a Scheduled Event

1. Press the Timer button until Week is highlighted.
2. Press the Confirm button.
3. Use the + and - buttons to select the day of the week.
4. Press the Confirm button.
5. Use the + and - buttons to select the event to edit. The display will show the event’s start time, mode, setpoint and fan speed.
6. Use the + and - buttons to change the start time of the event.
7. Press the Confirm button to confirm the start time and move to the operation mode selection.
8. Use the + and - buttons to change the operation mode for the event.
9. Press the Confirm button to confirm the operation mode and move to the setpoint selection.
10. Use the + and - buttons to change the setpoint for the event.
11. Press the Confirm button to confirm the setpoint and move to the fan speed selection. Not available when operation mode is set to
Fan or Off.

12. Use the + and - buttons to change the fan speed for the event.

13. Press the Confirm button to confirm the fan speed and complete the changes for this event. Not available when operation mode is set to Auto, Dry or Off.

**NOTE** - Use the Back/Turbo button to return to the previous step.

Delete an Event from a Scheduled Day

This action cannot be undone.

1. Press the Timer button until Week is highlighted.
2. Press the Confirm button.
3. Use the + and - buttons to select the day of the week.
4. Press the Confirm button.
5. Use the + and - buttons to select the event to delete. The display will show the event’s start time, mode, setpoint and fan speed.
6. Press the Day off/Del button.
### Troubleshooting Fault Codes

<table>
<thead>
<tr>
<th>Indoor Unit Display</th>
<th>M0STAT64Q Display</th>
<th>Error Code Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>F0</td>
<td>Communication error between wired controller and indoor unit</td>
</tr>
<tr>
<td>N/A</td>
<td>F1</td>
<td>The cassette faceplate is abnormal</td>
</tr>
<tr>
<td>E0</td>
<td>E7</td>
<td>Indoor unit EEPROM error</td>
</tr>
<tr>
<td>E1</td>
<td>E1</td>
<td>Communication error between indoor unit and outdoor units</td>
</tr>
<tr>
<td>E3</td>
<td>E8</td>
<td>Indoor fan speed error</td>
</tr>
<tr>
<td>E4</td>
<td>E2</td>
<td>Indoor Return air temperature sensor error</td>
</tr>
<tr>
<td>E5</td>
<td>E3</td>
<td>Indoor coil temperature sensor error</td>
</tr>
<tr>
<td>EC</td>
<td>EF</td>
<td>Low refrigerant</td>
</tr>
<tr>
<td>EE</td>
<td>EE</td>
<td>High water level alarm</td>
</tr>
<tr>
<td>F0</td>
<td>EA</td>
<td>Outdoor current overload sensed</td>
</tr>
<tr>
<td>F1</td>
<td>E5</td>
<td>Outdoor ambient temperature sensor error</td>
</tr>
<tr>
<td>F2</td>
<td>E5</td>
<td>Outdoor coil temperature sensor error</td>
</tr>
<tr>
<td>F3</td>
<td>E5</td>
<td>Compressor discharge temperature sensor error</td>
</tr>
<tr>
<td>F4</td>
<td>Ed</td>
<td>Outdoor unit EEPROM error</td>
</tr>
<tr>
<td>F5</td>
<td>Ed</td>
<td>Outdoor unit fan speed error</td>
</tr>
<tr>
<td>F6</td>
<td>E4</td>
<td>Indoor coil outlet temperature sensor error</td>
</tr>
<tr>
<td>P0</td>
<td>Eb</td>
<td>Inverter module IPM error</td>
</tr>
<tr>
<td>P1</td>
<td>N/A</td>
<td>High or Low voltage protection</td>
</tr>
<tr>
<td>P3</td>
<td>N/A</td>
<td>Outdoor unit low temperature lockout</td>
</tr>
<tr>
<td>P4</td>
<td>N/A</td>
<td>Compressor drive error</td>
</tr>
<tr>
<td>P6</td>
<td>N/A</td>
<td>High pressure/ low pressure switch open</td>
</tr>
<tr>
<td>P7</td>
<td>EF</td>
<td>Outdoor IGBT temperature sensor error</td>
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</tbody>
</table>