Installation and Operating Instructions

Part Number 40VM900003

CONTENTS

SAFETY CONSIDERATIONS

Read and follow manufacturer instructions carefully. Follow all local electrical codes during installation. All wiring must conform to local and national electrical codes. Improper wiring or installation may damage thermostat.

Understand the signal words — DANGER, WARNING, and CAUTION. DANGER identifies the most serious hazards which will result in severe personal injury or death. WARNING signifies hazards that could result in personal injury or death. CAUTION is used to identify unsafe practices, which would result in minor personal injury or product and property damage.

Recognize safety information. This is the safety-alert symbol (⚠). When this symbol is displayed on the unit and in instructions or manuals, be alert to the potential for personal injury. Installing, starting up, and servicing equipment can be hazardous due to system pressure, electrical components, and equipment location.

GENERAL

The wired programmable controller for the VRF (variable refrigerant flow) system is a wall-mounted, low-voltage (12 v DC) thermostat that maintains room temperature by controlling system operation. The controller is capable of displaying temperatures from 62 to 88 F.

The wired programmable controller accessory is available for use with the VRF (variable refrigerant flow) system indoor units listed in Table 1.

Table 1 — Wired Controller Accessory Usage

UNIT	SIZES
40VMA Outside Air	036, 048, 054, 072, 096
40VMC Compact Cassette	007,009,012,015
40VMF 4-Way Cassette	009,012,015,018,024,030,036, 048
40VMH High Static Ducted	024,030,036,048, 054, 072, 096
40VML Low Static Ducted	007, 009, 012, 015, 018, 024
40VMM Medium Static Ducted	007,009,012,015,018,024, 030, 036, 048
40VMR Floor Console - Recessed	007, 009, 012, 015, 018, 024
40VMU Under Ceiling/Floor	012,018,024,030,036,048
40VMV Vertical AHU	018,024,030,036,048, 054
40VMW High Wall	007,009,012,015,018, 024, 030

INSTALLATION CONSIDERATIONS

The thermostat should be mounted:

- Approximately 48 in. from the floor.
- On a section of wall without water or drainage pipes.

The thermostat should **NOT** be mounted:

- Where it can be directly affected by the unit's discharge airflow.
- On external walls or near drafts from windows and doors.
- Near shelves or curtains that may restrict air movement.
- Near heat sources such as direct sunlight, heaters, dimmer switches, and other electrical devices.

INSTALLATION

To install the thermostat, perform the following procedure:

1. Turn off all power to the indoor unit.

⚠ WARNING

Electrical shock can cause personal injury and death. Before installing thermostat, shut off all power to this equipment during installation. There may be more than one power disconnect. Tag all disconnect locations to alert others not to restore power until work is completed.

2. If an existing thermostat is being replaced:
   a. Remove existing thermostat from wall or unit.
   b. Disconnect wires from existing thermostat. Do not allow wires to fall back into the wall or unit.
   c. Discard or recycle old thermostat.

⚠ CAUTION

Failure to follow this caution may result in equipment damage or improper operation.

Improper wiring or installation may damage the thermostat. Check to make sure wiring sequence is correct at both ends before proceeding with installation or turning on unit.

3. For exposed wall-hung or under-ceiling/floor units, provide a 1-in. by 1-in. square opening in the surface behind the unit at an appropriate location to route the shielded 2-core control cable, furred in to connect the control board to the controller.
4. For concealed ducted, high static ducted, cassette, or vertical units, the shielded 2-core cable can be routed through the plenum and the wall to connect the control board and the controller.
5. Insert a flat-head screwdriver into the slots provided on the bottom of the controller to pop open the back mounting plate. See Fig. 1.

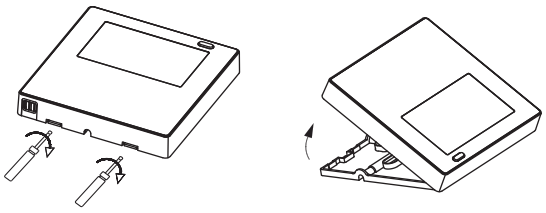


Fig. 1 — Opening Back Mounting Plate

6. Provide a 1-in. by 1-in. square opening in the wall where the controller will be mounted to accommodate the control cable as shown in Fig. 2 and 3. Be sure the distance between the controller and the indoor units is not more than 820 ft.

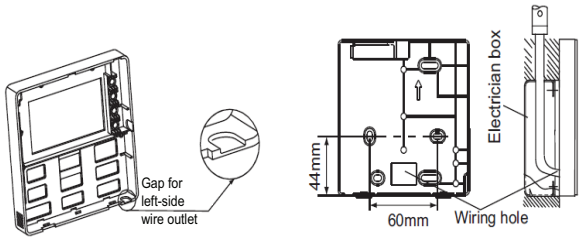


Fig. 2 — Controller Inner Wiring Outlets

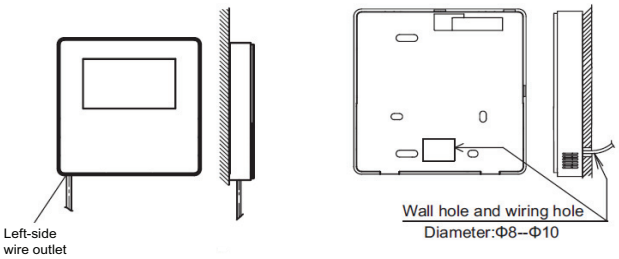


Fig. 3 — Controller Outer Wiring Outlets

7. Attach the back mounting plate directly over the opening in the wall, using 3 screws, as shown in Fig. 4.

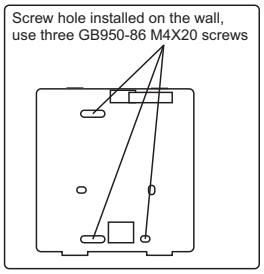


Fig. 4 — Mounting Back Plate

8. Using 2-core shielded twisted pair cable, 16 to 20 AWG (American Wire Gage), attach the control cable to the HA/HB terminal on the unit and other end to the controller HA/HB terminal. For connecting the controller to a single indoor unit see Fig. 5. For connecting the controller to multiple indoor units see Fig. 6. Connect the shield/drain conductor of control wire to ground at the indoor unit; do not connect the shield/drain conductor at the controller.

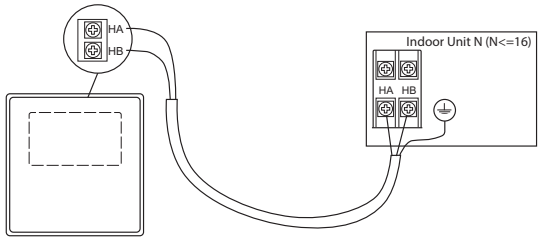


Fig. 5 — One-to-One Controller Connection

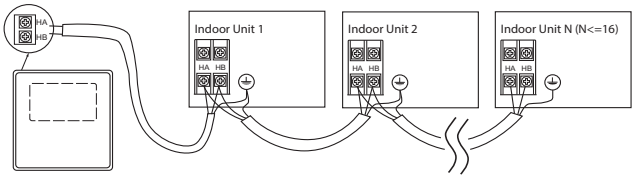


Fig. 6 — Group Controller Connection

9. Mount controller to back plate as shown in Fig. 7.

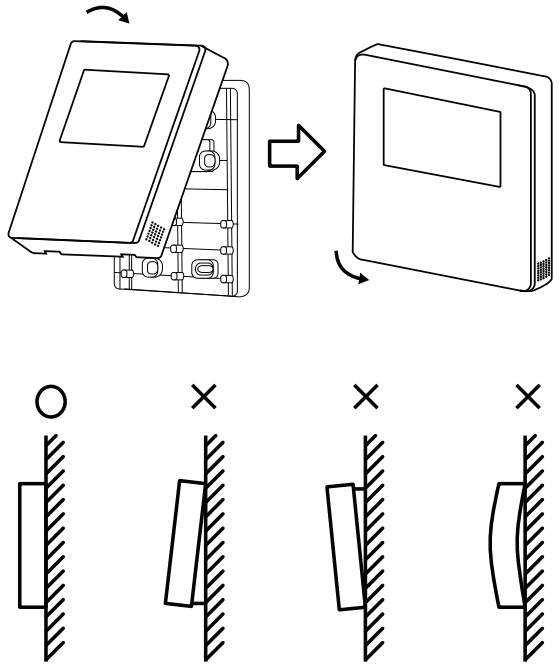
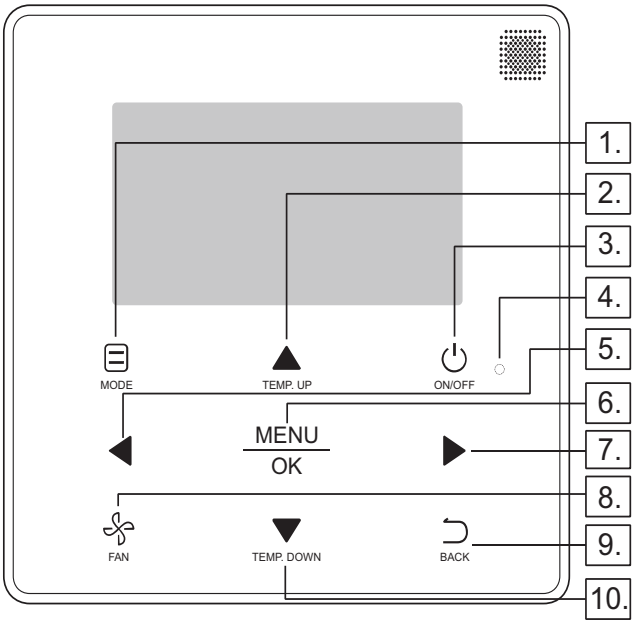


Fig. 7 — Mounting the Controller to the Back Plate

OPERATION

The programmable wired controller directly controls the VRF system. It *cannot* be used as a remote signal receiving device to control the system using a wireless hand-held device. Refer to Fig. 8 for button description. Refer to Fig. 9 for display descriptions.

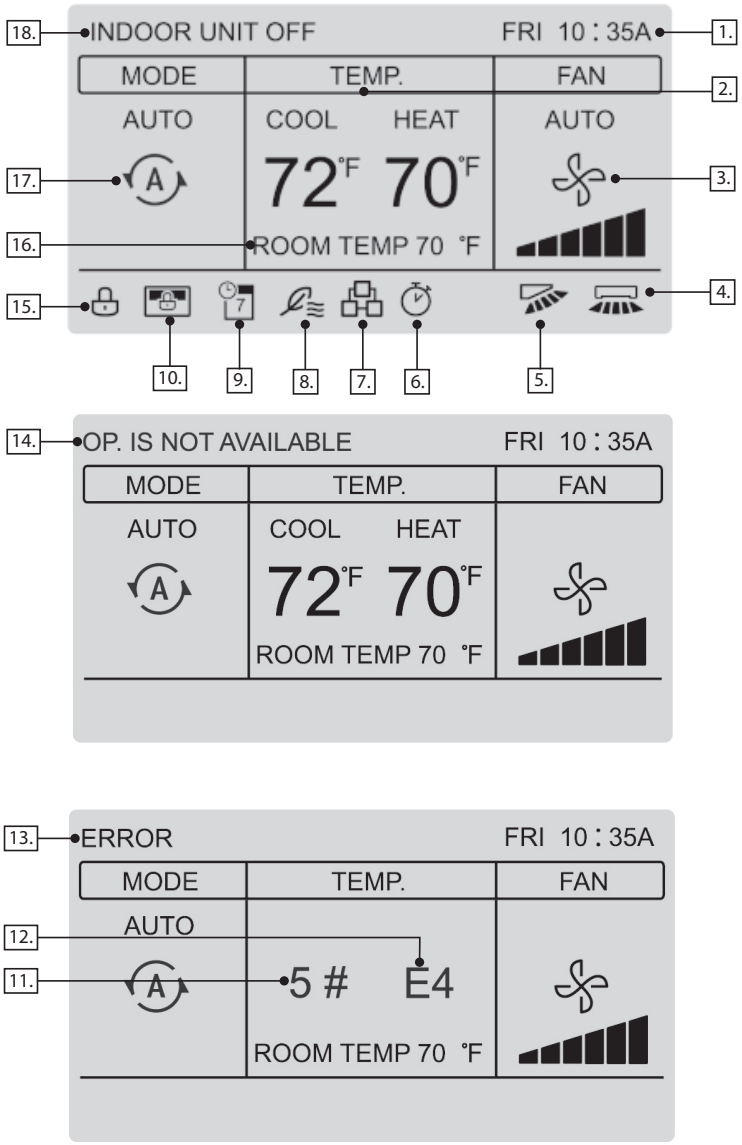


BUTTON	DESCRIPTION
1. MODE	Selects the running mode.
2. TEMP. UP Button	Increases the set temperature.
3. ON/OFF Button	Powers the IDU on/off.
4. LED (green)	Indicates when the IDU is turned on and blinks if there is a fault.
5. Left Button	Selects options to the left.
6. MENU/OK Button	Enters the menu/sub menu. Confirms selection.
7. Right Button	Selects options to the right.
8. FAN	Selects fan running speed.
9. BACK Button	Returns to the previous level.
10. TEMP. DOWN Button	Reduces the set temperature.

LEGEND

IDU — Indoor Unit

Fig. 8 — Controller Display



NUMBER	DESCRIPTION
1. Time display	Displays the time.
2. Set temperature	Displays the set temperature for the unit.
3. Fan speed display	Displays the fan speed set by the wired controller.
4. Horizontal swing	Displays swing status when the IDU supports horizontal swing.
5. Vertical swing	Displays swing status when the IDU supports vertical swing.
6. OVERRIDE	Turns on when OVERRIDE is enabled on the wired controller.
7. Group control indicator	Turns on when the wired controller controls multiple IDUs (max 16 IDUs).
8. Outside air unit symbol	Turns on when the wired controller is being used on a VRF outside air unit.
9. Schedule	Turns on when the weekly schedule is available on the wired controller.
10. Central controller/Upper computer locking indicator	Turns on when the central controller/upper computer locks the IDU function and the wired controller cannot use the corresponding functions of the IDU.
11. Faulty IDU/ODU address	Displays the address of the faulty unit if an error occurs on the IDU or ODU.
12. Error code	Displays the error code if the system is faulty.
13. Error indicator	Displays the “ERROR” message if the system is faulty.
14. Invalid operation prompt	Flashes for two seconds if an operation is invalid.
15. Function locking indicator	Turns on when the wired controller locks the on/off function, mode, schedule or temperature setting.
16. Room temperature display	Displays the current indoor temperature.
17. Mode display	Displays the running mode set by the wired controller.
18. IDU off	Displayed when the IDU is turned off.

LEGEND

IDU — Indoor Unit
ODU — Outdoor Unit

Fig. 9 — Display Description

ON/OFF Setting — Press ON/OFF ⏻ to turn the IDU (indoor unit) on/off. The LED is lit when the unit is powered on see Fig. 10.

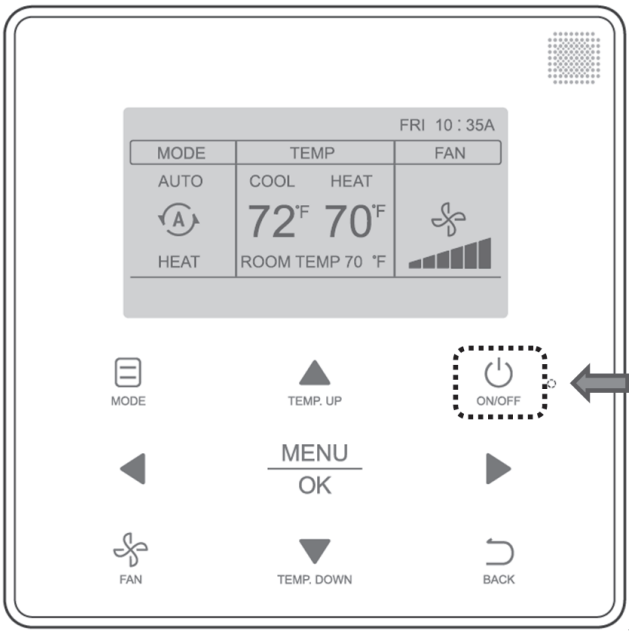


Fig. 10 — LED Light Display

Setting the Mode — Pressing MODE ☰ once or more than once sets the function in the sequence shown in Fig. 11.

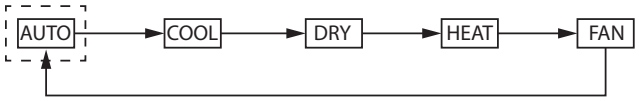


Fig. 11 — Mode Sequence

When the wired controller is connected to a heat pump system, AUTO mode is unavailable.

Fan speed cannot be adjusted in DRY mode.

Setting the Fan Speed — In AUTO, COOL, HEAT, or FAN mode, press FAN to change the fan speed.

Pressing FAN changes the setting in the following cycle: automatic air flow, low air flow, medium air flow, high air flow. See Fig. 12 and 13 for an example of the air flow sequence and display.

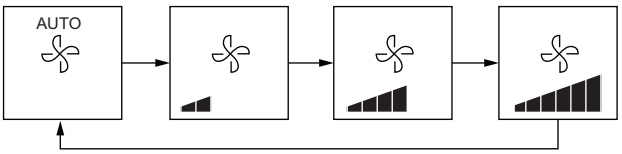


Fig. 12 — Fan Speed Sequence

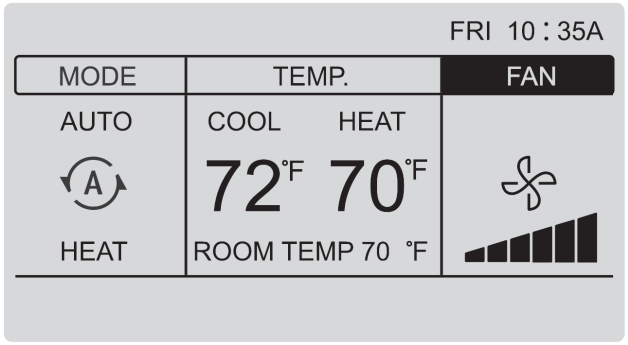


Fig. 13 — Setting the Fan Speed

Setting the Temperature — In AUTO, COOL, DRY, or HEAT mode, press TEMP. UP ▲ or TEMP. DOWN ▼ to adjust the temperature.

Adjust the set temp for cooling when the "Cool" flag is highlighted as shown in Fig. 14.

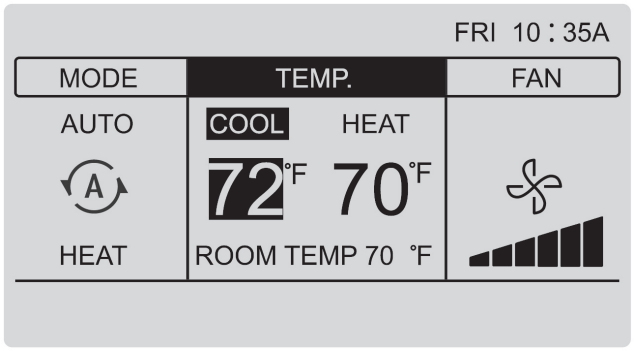


Fig. 14 — Setting the Temperature

Press the LEFT ◀ or RIGHT ▶ button within 10 seconds to switch between the set temperatures for cooling and heating in AUTO mode. The set operation temperature ranges are shown below in Table 2.

Table 2 — Operation Temperature Ranges

OPERATION MODE	SET TEMPERATURE RANGE
COOL/DRY	62F - 86F (17C - 30C)
HEAT	54F - 86F (12C - 30C)
AUTO (DUAL SETPOINTS)	[COOL] 62F - 86F (17C - 30C) [HEAT] 54F - 86F (12C - 30C)
FAN	Not settable
COOL FOR OUTSIDE AIR UNIT	50F - 86F (10C - 30C)
HEAT FOR OUTSIDE AIR UNIT	54F - 86F (10C - 30C)

Menu Operations — Press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to open the menu. See Fig. 15 below for an example.

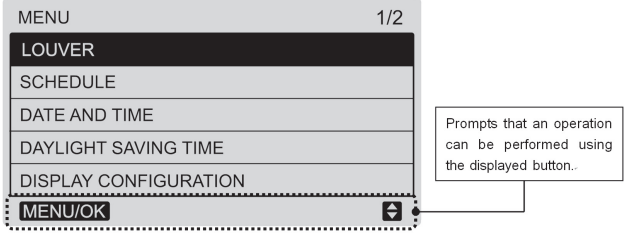


Fig. 15 — Menu Prompt

Press TEMP. UP ▲ and TEMP. DOWN ▼ to select an item. Press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter.

On the last level menu, press MENU/OK MENU/OK to confirm and return to the homepage. Press BACK ⮌ to confirm and return to the previous level.

If a button on the menu interface is not pressed within 30 seconds, the system will return to the homepage.

Setting Louver — If an IDU does not have an integrated louver, the louver function will be unavailable.

Choose LOUVER on the menu interface, and press MENU/OK MENU/OK to enter louver settings. As shown below in Fig. 16 and 17.

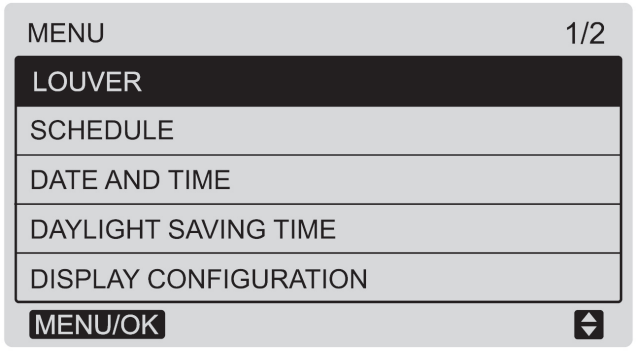


Fig. 16 — Accessing the Louver Menu

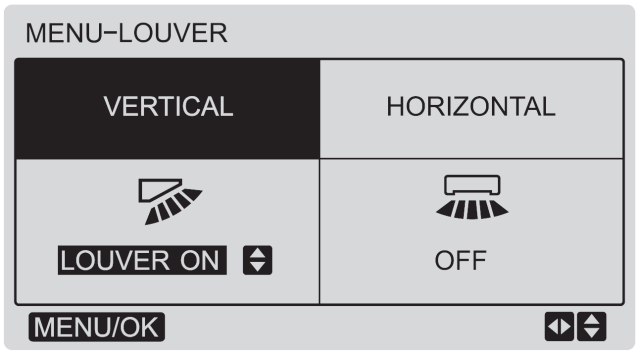


Fig. 17 — Louver Menu

When the IDU supports horizontal louver, press the LEFT ◀ and RIGHT ▶ button to switch between the horizontal and vertical louver settings. Press TEMP. UP ▲ and TEMP. DOWN ▼ to set the louver status. Figures 18 and 19 show the horizontal and vertical louver sequence.

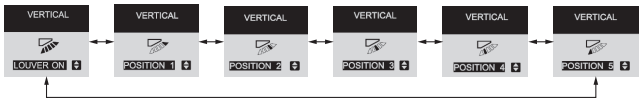


Fig. 18 — Vertical Louver Adjustment Sequence

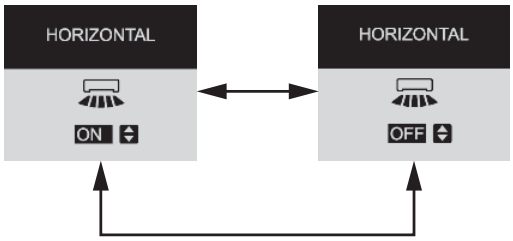


Fig. 19 — Horizontal Louver Adjustment Sequence

Horizontal louver will move the louver left to right in a predefined pattern. This pattern is not adjustable.

Setting Schedule Control — Ensure the clock is set prior to setting the schedule.

Choose SCHEDULE on the menu interface, and press MENU/OK MENU/OK to enter this setting.

Choose SCHEDULE CONTROL in the schedule menu, as shown below in Fig. 20, and press MENU/OK MENU/OK to enter this setting.

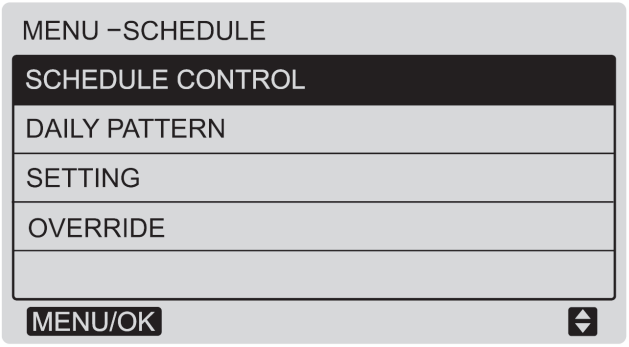


Fig. 20 — Selecting the Schedule Control Menu

Press TEMP. UP ▲ or TEMP. DOWN ▼ to select DISABLED or ENABLED for the weekly schedule, as shown in Fig. 21. Press MENU/OK MENU/OK to confirm and return to the homepage. Press BACK ⮌ to confirm and return to the previous level.

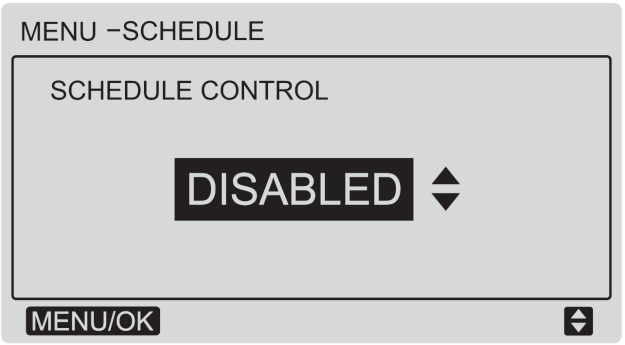


Fig. 21 — Setting the Schedule Control

Selecting Daily Pattern — Choose DAILY PATTERN in the schedule menu, and press MENU/OK MENU/OK to open the menu.

Press TEMP. UP ▲ and TEMP. DOWN ▼ to select DAILY PATTERN as shown in Fig. 22.

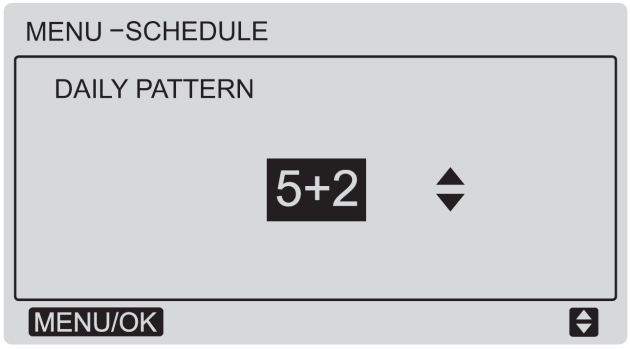


Fig. 22 — Selecting the Daily Pattern

Table 3 shows the four daily patterns that can be selected.

Table 3 — Daily Patterns

NO.	DAILY PATTERN	DESCRIPTION
1	EVERYDAY	Sets the schedule for each day from Monday to Sunday.
2	5+2	Sets one schedule from Monday to Friday and a separate schedule for Saturday and Sunday.
3	6+1	Sets one schedule from Monday to Saturday and a separate schedule for Sunday.
4	7 DAYS	Sets one schedule from Monday to Sunday.

Setting the Date and Time — Choose DATE AND TIME on the menu interface, as shown in Fig. 23, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

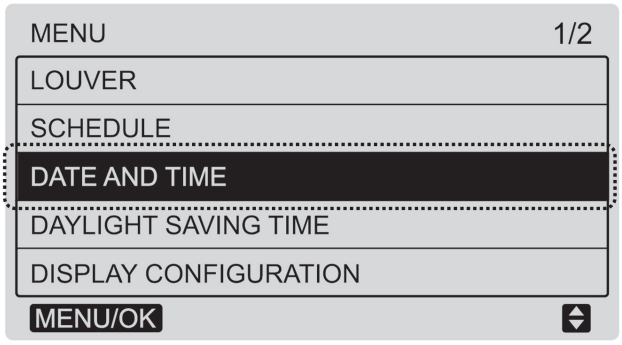


Fig. 23 — Accessing the Date and Time Menu

Choose DATE, as shown in Fig. 24, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

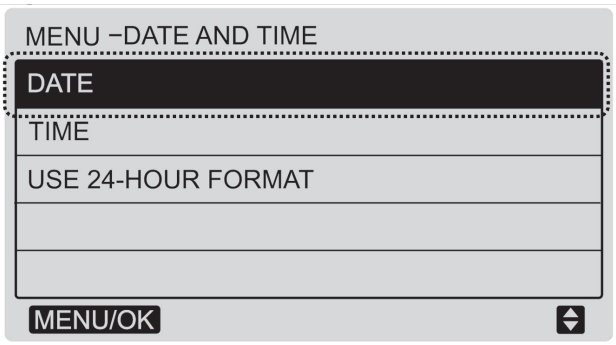


Fig. 24 — Accessing the Date Menu

Press the LEFT ◀ or RIGHT ▶ button to move the cursor, and press TEMP. UP ▲ or TEMP. DOWN ▼ to set the date as shown in Fig. 25.

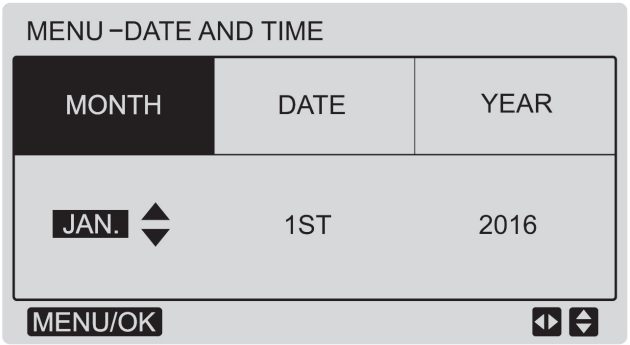


Fig. 25 — Setting the Date

Open the TIME setting. Press the LEFT ◀ or RIGHT ▶ button to move the cursor, and press TEMP. UP ▲ or TEMP. DOWN ▼ to set the time as shown in Fig. 26 and 27.

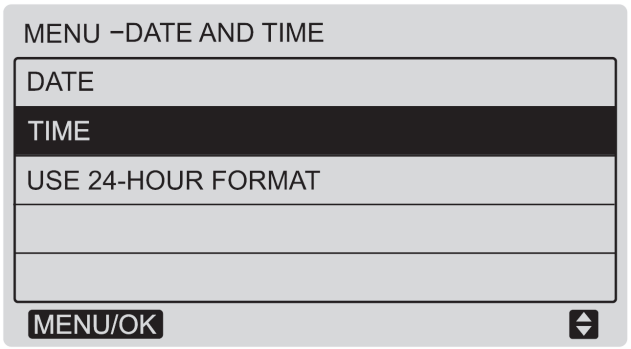


Fig. 26 — Accessing the Time Menu

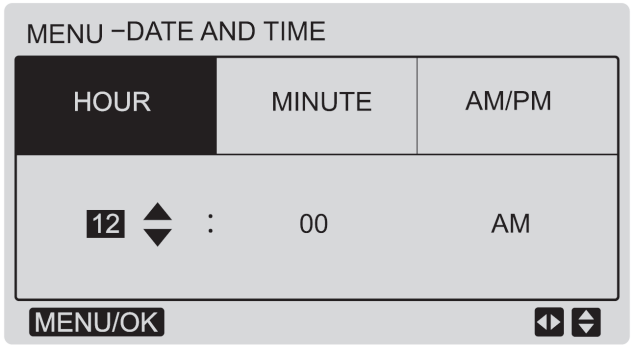


Fig. 27 — Setting the Time

Open USE 24-HOUR FORMAT and press TEMP. UP ▲ or TEMP. DOWN ▼ to select the time format, as shown in Fig. 28 and 29. When disabled the controller will use a 12-hour clock.

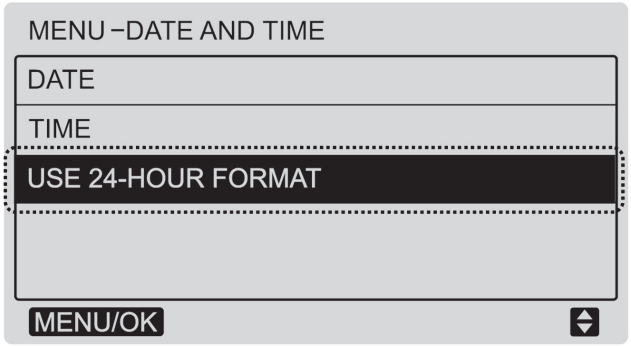


Fig. 28 — Accessing the 24-Hour Format Menu

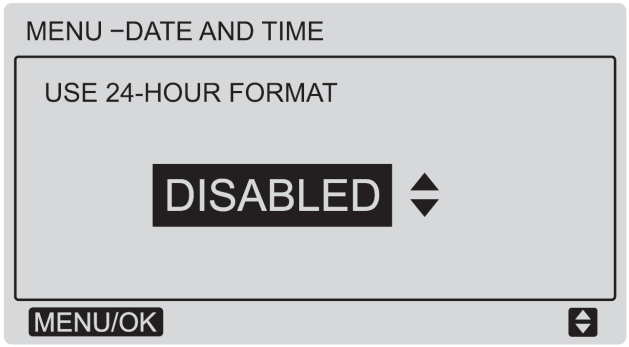


Fig. 29 — Setting the 24-Hour Format

Setting Daylight Saving Time — When enabled, the clock automatically moves forward an hour when at 2 am on

the specified start date and goes back an hour at 2 am on the end date.

Choose DAYLIGHT SAVING TIME on the menu interface, and press MENU/OK (MENU/OK) to enter this setting as shown in Fig. 30.

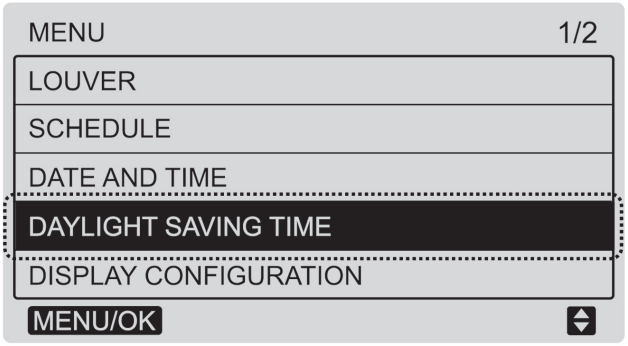


Fig. 30 — Accessing the Daylight Savings Time Menu

ENABLE OR DISABLE THE DAYLIGHT SAVING TIME FUNCTION — Use the cursor to select ENABLE/DISABLE, and press MENU/OK (MENU/OK) to enter this setting as shown in Fig. 31.

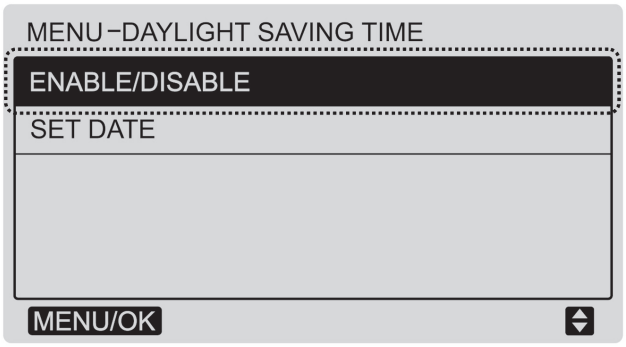


Fig. 31 — Enable/Disable Daylight Savings Time

Press TEMP. UP ▲ or TEMP. DOWN ▼ to enable or disable daylight saving time.

SET THE START AND END TIMES FOR DAYLIGHT SAVING — Use the cursor to choose SET DATE, and press MENU/OK (MENU/OK) to enter this setting.

Press the LEFT ◀ or RIGHT ▶ button to move the cursor, and press TEMP. UP ▲ or TEMP. DOWN ▼ to set the start time and end time for daylight saving as shown in Fig. 32.

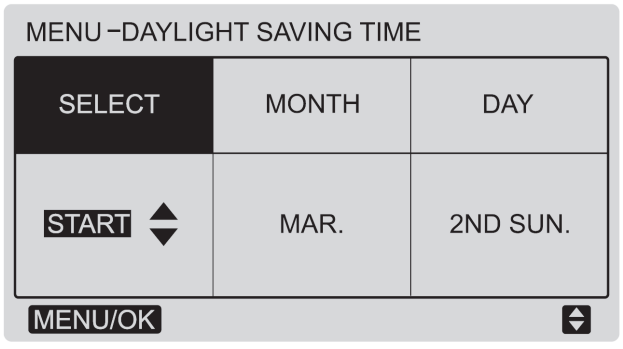


Fig. 32 — Setting the Start and End Time For Daylight Savings

Setting the Schedule — Choose SETTING in the schedule menu, and press MENU/OK (MENU/OK) to open the schedule settings as shown in Fig. 33.

Press the LEFT ◀ or RIGHT ▶ button to move the cursor.

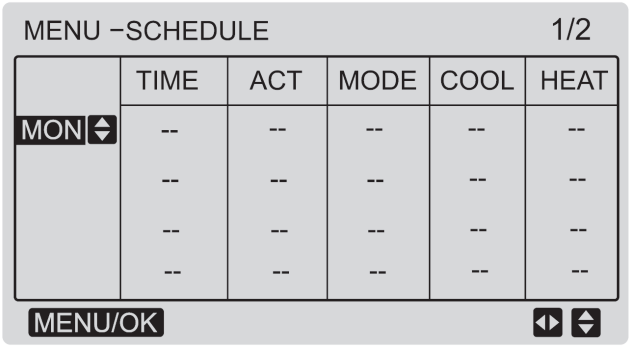


Fig. 33 — Schedule Menu

Press TEMP. UP ▲ and TEMP. DOWN ▼ to adjust the parameters.

Figure 34 and Table 4 show the parameters that can be set in schedule settings:

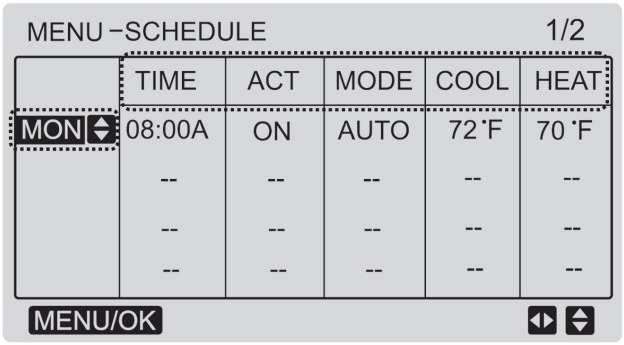


Fig. 34 — Schedule Parameters

Table 4 — Schedule Parameters

PARAMETER	DESCRIPTION
Week	Select the specific day for timer settings.
TIME	Set the timer time. Up to 8 time points can be set for each day.
ACT	Set automatic on/off.
MODE	Set the running mode.
COOL	When AUTO or COOL mode is set, set the cooling temperature value.
HEAT	When AUTO or HEAT mode is set, set the heating temperature value.

After setting the schedule, press MENU/OK (MENU/OK) to confirm and return to the homepage. Press BACK ⮌ to confirm the setting and return to the previous level.

Setting Override — The OVERRIDE function can be set only when the week schedule is enabled.

The OVERRIDE function will set the amount of time the settings can be overridden before returning to the defined schedule pattern.

Choose OVERRIDE in the schedule menu, and press MENU/OK (MENU/OK) to enter this setting.

Press TEMP. UP ▲ or TEMP. DOWN ▼ to adjust the OVERRIDE time to any one of the following: 30 min/60 min/

90 min/120 min and DISABLED (cancels OVERRIDE) as shown in Fig. 35.

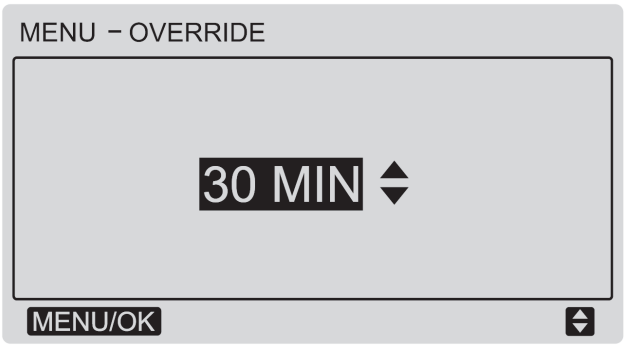


Fig. 35 — Setting the Override Time

Selecting the Display Configuration: — Choose DISPLAY CONFIGURATION, as shown in Fig. 36, on the menu interface, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

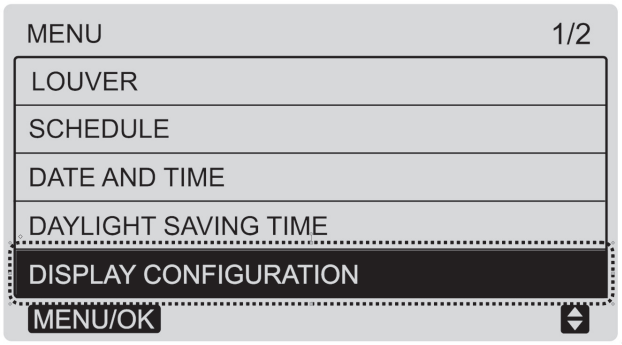


Fig. 36 — Accessing the Display Configuration Menu

Press TEMP. UP ▲ or TEMP. DOWN ▼ to select the standard interface or simple interface as shown in Fig. 37.

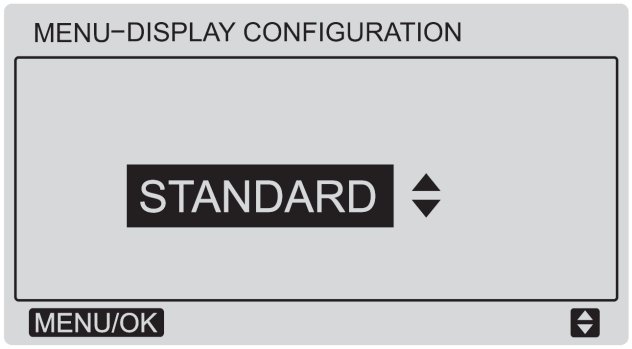


Fig. 37 — Selecting the Display Interface

Indoor Temperature Display — When the indoor temperature display is set, the current indoor ambient temperature will be displayed on the homepage as shown in Fig. 38.

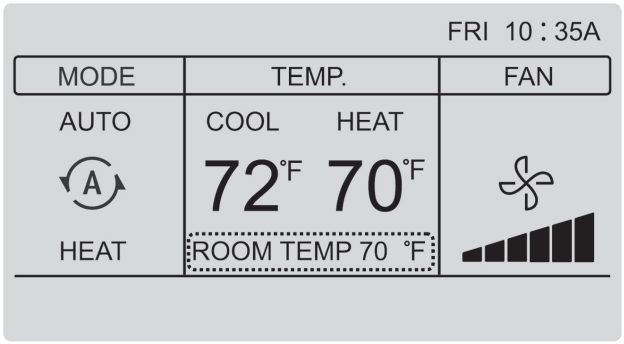


Fig. 38 — Indoor Temperature Display Location

Choose ROOM TEMP on the menu interface, as shown in Fig. 39 and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

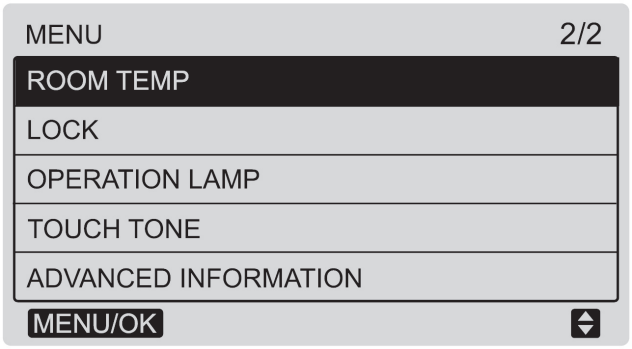


Fig. 39 — Accessing the Room Temp Menu

Press TEMP. UP ▲ and TEMP. DOWN ▼ to select whether to display the indoor temperature on the main screen.

Locking Function — The wired controller can lock the following functions on the IDU, so they cannot be adjusted by the user from the remote controller.

1. Power-on/off function
2. Running mode
3. Temperature setting
4. Schedule timing setting

Choose LOCK on the menu interface, as shown in Fig. 40 and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

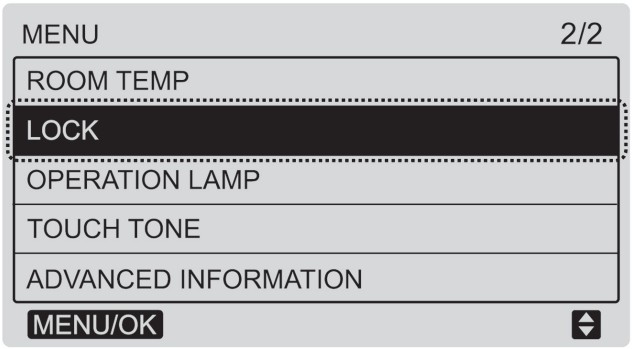


Fig. 40 — Accessing the Lock Menu

Press the LEFT ◀ or RIGHT ▶ button to move the cursor, and press TEMP. UP ▲ or TEMP. DOWN ▼ to lock or unlock the corresponding function as shown in Fig. 41.

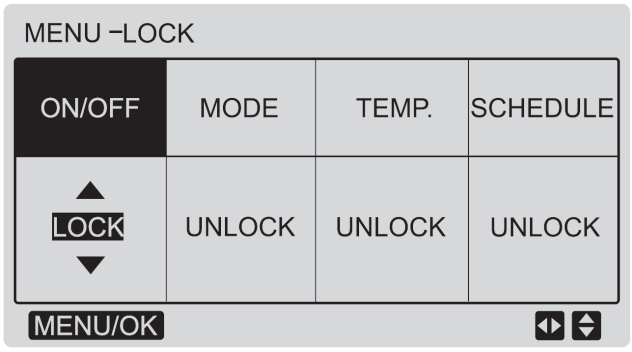


Fig. 41 — Setting Lock Functions

When ON/OFF, MODE, TEMP. or SCHEDULE are locked, the locked icon will be displayed on the homepage as shown in Fig. 42.

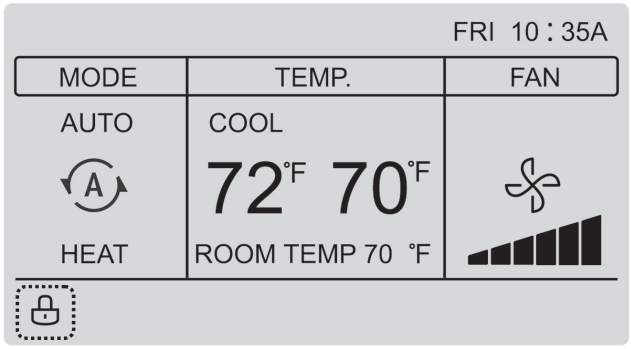


Fig. 42 — Lock Icon Location

The unit cannot be powered ON/OFF using the ON/OFF button when the unit is locked. When pressing ON/OFF ⏻ while the unit is locked the screen will display "OP. IS NOT AVAILABLE" (invalid operation) for 2 seconds.

Setting the Operation Lamp (LED) — When the LED setting is on, the LED turns on when the IDU starts. The LED blinks if a system fault occurs.

Choose OPERATION LAMP on the menu interface, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

Press TEMP. UP ▲ or TEMP. DOWN ▼ to set whether the LED is on or off as shown in Fig. 43.

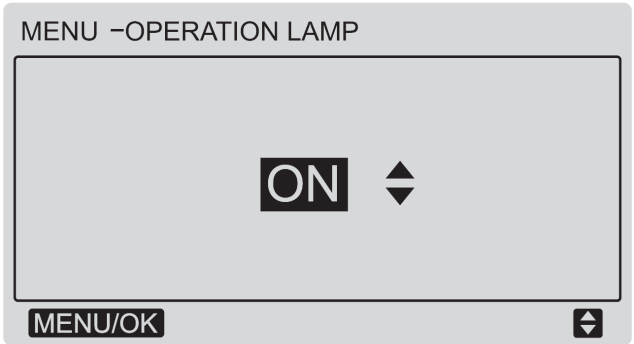


Fig. 43 — Setting the Operation Lamp

Setting the Touch Tone — Choose TOUCH TONE on the menu interface, as shown in Fig. 44, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

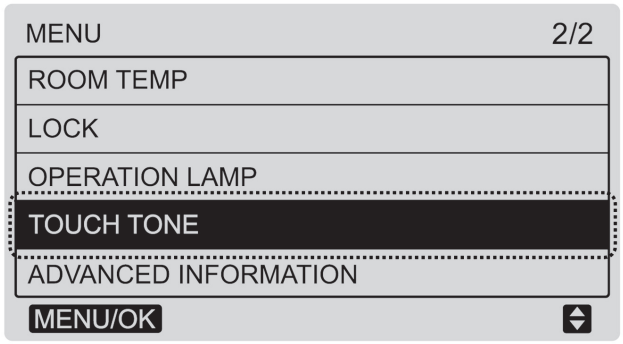


Fig. 44 — Accessing the Touch Tone Menu

Press TEMP. UP ▲ or TEMP. DOWN ▼ to set the touch tone ON/OFF as shown in Fig. 45.

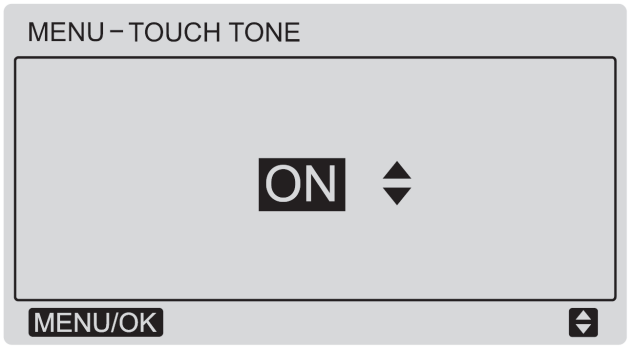


Fig. 45 — Setting the Touch Tone

Advanced Information — Choose ADVANCED INFORMATION on the menu interface, as shown in Fig. 46, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

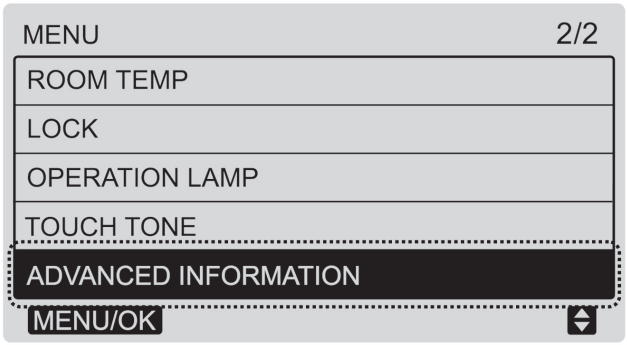


Fig. 46 — Entering the Advanced Information Menu

QUERYING IDU OPERATING DATA — Choose OPERATING DATA, as shown in Fig. 47, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

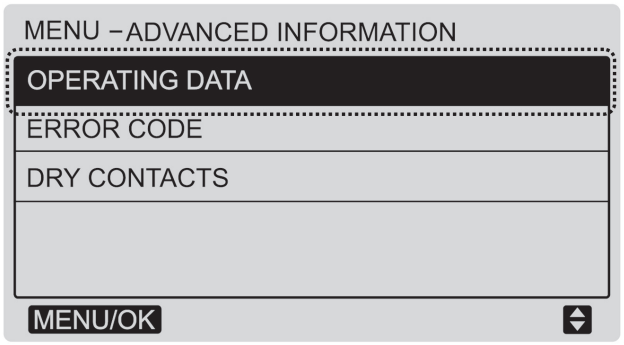


Fig. 47 — Accessing the Operating Data Menu

On the OPERATING DATA interface, the wired controller will display the current IDU address, IDU sensor temperature, louver settings, and number of IDUs connected to the wired controller as shown in Fig. 48.

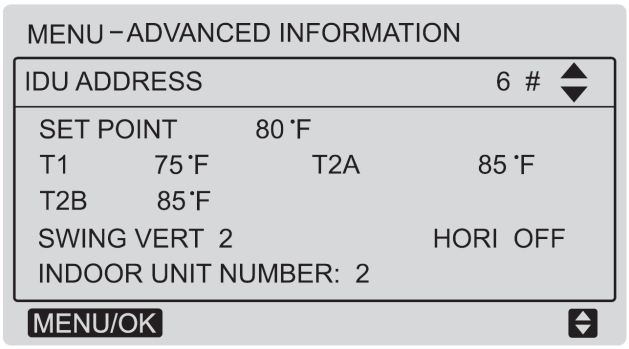


Fig. 48 — Operating Data Display

When the wired controller is connected to multiple IDUs, press TEMP. UP ▲ or TEMP. DOWN ▼ to switch display data between IDUs. The selected indoor unit number is displayed at the bottom of the screen as shown in Fig. 49.

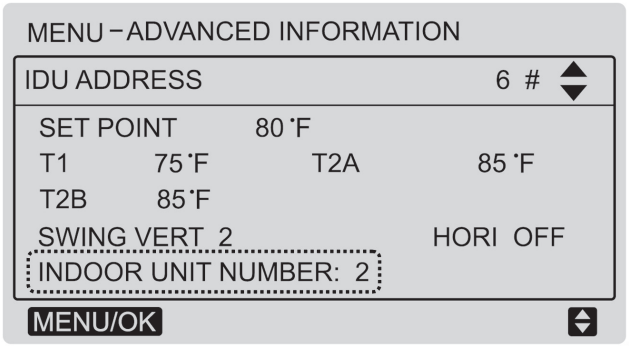


Fig. 49 — Displaying Indoor Unit Operating Data

VIEWING RECORDED ERROR CODES — Choose ERROR CODE, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting. Figure 50 shows a display of the error codes menu.

The wired controller saves up to 10 groups of fault records. Press TEMP. UP ▲ or TEMP. DOWN ▼ to move the cursor and view all fault records.

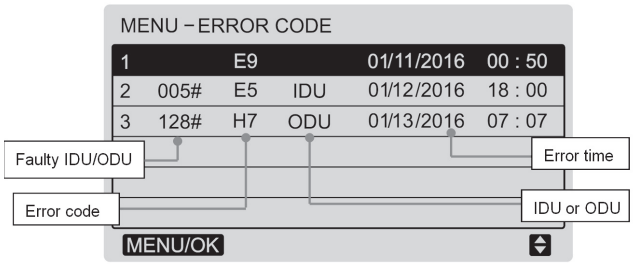


Fig. 50 — Error Codes Display

The faulty IDU address field displays the IDU address relating to the error. The faulty ODU (outdoor unit) address field displays 128#. An address is not displayed when the wired controller has a fault.

VIEWING DRY CONTACT STATUS — Choose DRY CONTACTS, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting as shown in Fig. 51.

When the wired controller is connected to multiple IDUs, press TEMP. UP ▲ or TEMP. DOWN ▼ to view the dry contact status of other IDUs.

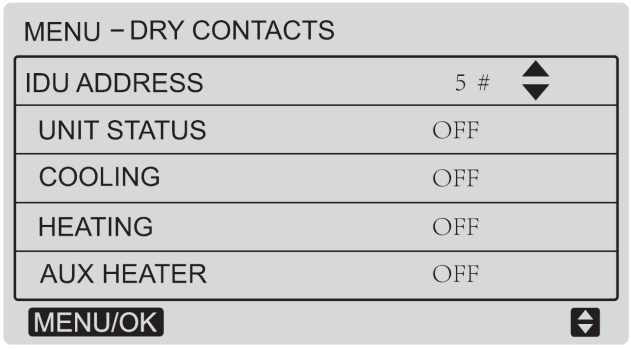


Fig. 51 — Dry Contact Status

Service and Startup Settings — Press and hold BACK ⮌ and FAN ✣ for five seconds at the same time to enter the interface for parameter settings as shown in Fig. 52.

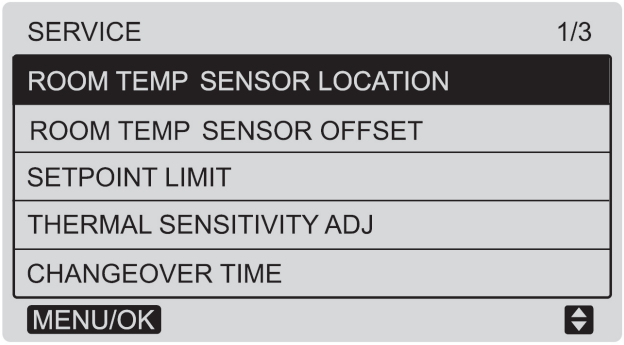


Fig. 52 — Accessing the Parameter Settings Menu

Press TEMP. UP ▲ or TEMP. DOWN ▼ to move the cursor and select an entry, as shown in Fig. 53, and then press MENU/OK MENU/OK to enter this entry setting.

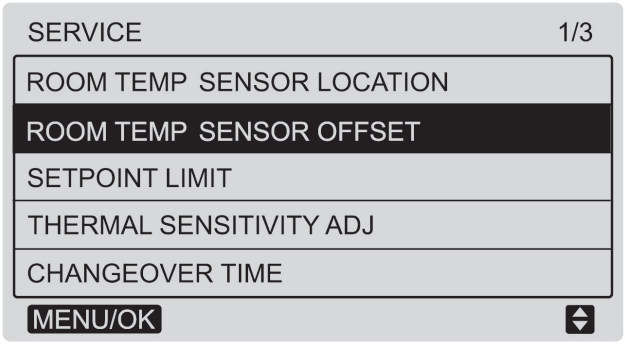


Fig. 53 — Changing the Selection

Press TEMP. UP ▲ or TEMP. DOWN ▼ to adjust the parameter, as shown in Fig. 54, and press MENU/OK MENU/OK or BACK ⮌ to confirm the setting and return to the previous row.

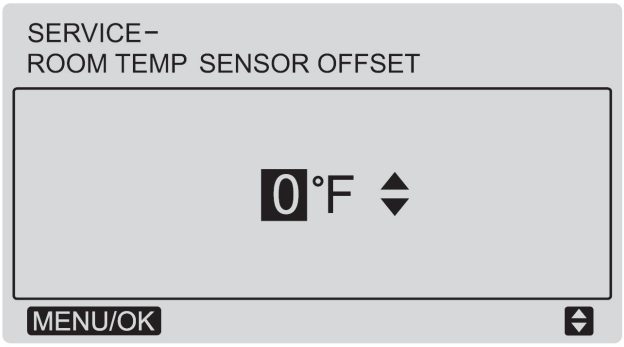


Fig. 54 — Adjusting the Parameter Setting

On the parameter settings screen, press BACK ⮌ once or wait for 30 seconds to automatically exit parameter settings.

For the parameter details, see Table 5.

Table 5 — Parameter Details

NO.	SERVICE MENU		DESCRIPTION	SET PARAMETER
1	ROOM TEMPERATURE SENSOR LOCATION		Select whether to use the IDU room temperature sensor of the wired controller.	Wired remote control (default) Indoor unit
2	ROOM TEMPERATURE SENSOR OFFSET		The temperature compensation value for wired controller T1.	-5 °F, -4 °F, -3 °F, -2 °F, -1 °F, 0 °F (default), 1 °F, 2 °F, 3 °F, 4 °F, 5 °F or -5 °C, -4 °C, -3 °C, -2 °C, -1 °C, 0 °C (default), 1 °C, 2 °C, 3 °C, 4 °C, 5 °C
3	SETPOINT LIMIT	MAX HEATING SETPOINT SETTING	Set the upper limit of the temperature range for heating.	86 F (default) to 62 F 30 C (default) to 17 C
		MIN. COOLING SETPOINT SETTING	Set the lower limit of the temperature range for cooling.	50 F (default) to 86 F 10 C (default) to 30 C
4	THERMAL SENSITIVITY ADJUSTMENT		Select a capacity interval.	THERMAL ON (1 F) (default), THERMAL ON (2 F) or THERMAL ON (1 C) (default), THERMAL ON (1 C)
5	CHANGE OVER TIME		Automatic mode change over time.	15 min. (default), 30 min., 60 min., 90 min.
6	ANTI-COLD BLOW		Set the temperature when the fan is turned off to prevent cold winds	68 F (default), 50 F, 59 F, 75 F, 82 F or 20 C (default), 10 C, 15 C, 24 C, 28 C
7	TERMINAL FAN CONFIGURATION		Fan off after a delay of	4 min. (default), 8 min., 12 min., 16 min.
8	THERMO-OFF FAN SPEED SETTING	COOLING	Set the fan step for cooling thermo off.	OFF, LOW, MIDDLE, HIGH, MAINTAIN (default)
		HEATING	Set the fan step for heating thermo off.	OFF (default), LOW, MIDDLE, HIGH, MAINTAIN
9	STATIC PRESSURE (NOT USED FOR ALL INDOOR UNITS)		Set the IDU static pressure of the DC fan.	0: 0 in. wg (default) 1: 0.04 in. wg 2: 0.08 in. wg 3: 0.12 in. wg 4: 0.16 in. wg 5: 0.20 in. wg 6: 0.24 in. wg 7. 0.28 in. wg 8: 0.32 in. wg 9: 0.36 in. wg 10: 0.40 in. wg 11: 0.44 in. wg 12: 0.48 in. wg 13: 0.52 in. wg 14: 0.56 in. wg 15: 0.60 in. wg 16: 0.64 in. wg 17: 0.68 in. wg 18: 0.72 in. wg 19: 0.76 in. wg 20: 0.80 in. wg 21: 0.84 in. wg 22: 0.88 in. wg 23: 0.92 in. wg 24: 0.96 in. wg 25: 1.0 in. wg
10	OCCUPANCY SENSOR	OCCUPANCY ON/OFF	Set occupancy delay function to valid or invalid	OFF (default), ON
		OCCUPANCY DELAY	Set the time for delayed power-off of the unattended IDU (valid only when the IDU is connected to an infrared sensing controller).	0 min (default-THERMAL OFF), 15 min., 30 min., 60 min. (SETBACK DELAY)
		OCCUPANCY SET TEMP OFFSET	Setback temperature setpoint amount after occupancy delay elapses.	0 °F, 2 °F, 4 °F (default), 6 °F, 8 °F or 0 °C, 1 °C, 2 °C (default), 3 °C, 4 °C
11	DRY CONTACT	DRY CONTACT STATUS	Whether the IDU is connected to a third-party heat source.	DISABLE (default), ENABLE
		DRY CONTACT CONFIGURATION	Set the start and end condition for the third-party heat source and the delayed end time of dry contact.	Starting condition, when the room temperature is lower than the set temperature: 1 °F (default), 2 °F, 3 °F, 4 °F, 5 °F or 1 °C (default), 1 °C, 2 °C, 2 °C, 3 °C
				Delayed closing time of dry contact: 15 min. (default), 30 min., 60 min.
		INDOOR FAN STATUS	Forcibly turn on the fan or not when the third-party heat source starts.	ON (default), OFF
12	IDU ADDRESSING		Set the IDU address	0#-63#

Setting the IDU Address — The IDU communication address can be set only when the wired controller is connected to one IDU.

Press TEMP. DOWN ▼ to move the cursor down, choose IDU ADDRESSING, as shown in Fig. 55, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to enter this setting.

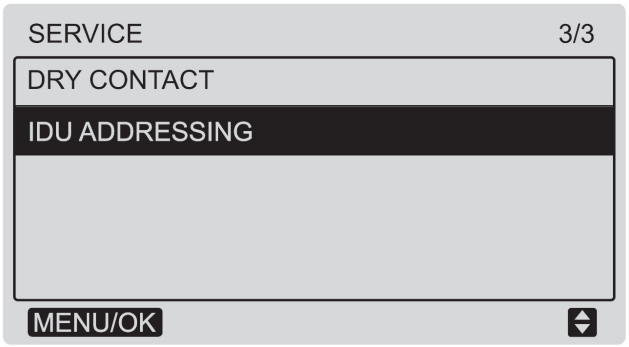


Fig. 55 — Accessing the IDU Addressing

Press TEMP. UP ▲ or TEMP. DOWN ▼ to select the IDU address to set, and press MENU/OK $\frac{\text{MENU}}{\text{OK}}$ to send this address to the IDU as shown in Fig. 56.

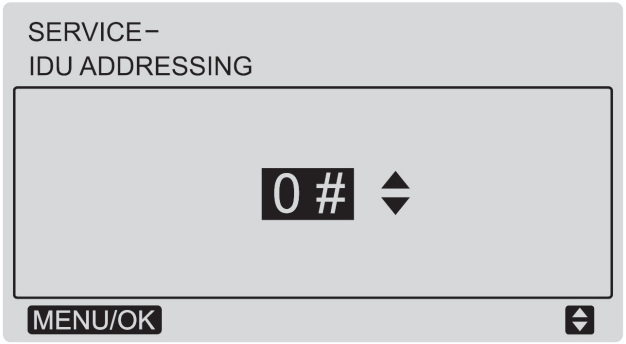


Fig. 56 — Setting the IDU Address

Press BACK ⮌ twice or wait 30 seconds to automatically exit the parameter settings menu.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.
Catalog No. 04-53400043-01 Printed in U.S.A. Form 40VM-2SI Pg 16 11-16 Replaces: New