



Carrier Bryant VRF Remote Control Quick Startup Guide

Carrier Enterprise
Technical Services

40VM900003 – Remote Controller



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

All display icons are explained on page 4 of this document.

Basic Operation:

1. Turn ON the remote control by pressing the ON/OFF button.
2. Select the MODE by pressing the MODE button.
 - AUTO, COOL, DRY, HEAT, FAN are selectable modes of operation.
 - AUTO is not available on Heat Pump Systems.
 - FAN speed cannot be adjusted in DRY mode.
3. Select FAN speed.
 - AUTO, LOW, MED, HIGH are selectable fan speeds.
4. If AUTO, COOL, DRY, HEAT mode is selected, set desired temperature.
5. In AUTO mode, press LEFT or RIGHT buttons within 10 seconds to switch between cooling & heating set points.

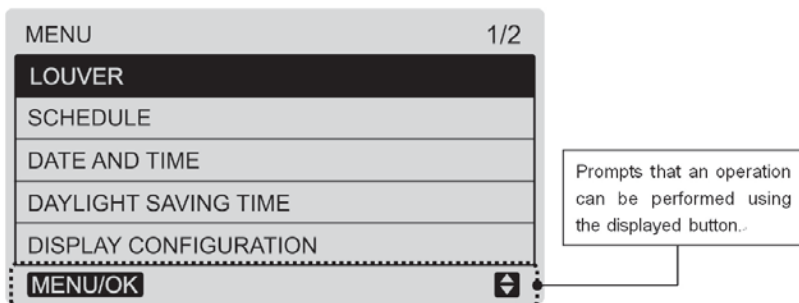
More detailed information on these items and more can be found in the Installation and Operation Manual that came with the remote controller. If lost contact CE Tech Services with model number for replacement.



Carrier Bryant VRF Remote Control Quick Startup Guide

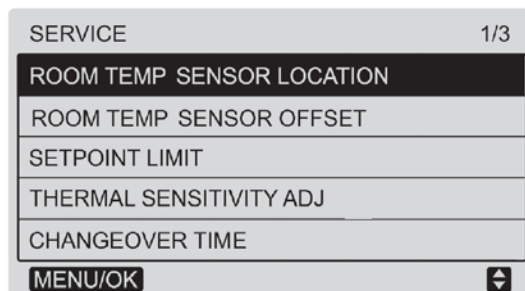
Menu Operations:

1. Press the MENU/OK button to enter the menu.
2. Press TEMP UP and DOWN to select desired menu item.
 - If IDU does not have an integral louver, the louver function will not be available.
3. Set DATE & TIME.
4. Set DAYLIGHT SAVINGS TIME.
5. Set DISPLAY CONFIGURATION. Select Standard or Simple.
 - When the indoor temperature display is set, the current room temp will be displayed below the set point temp(s) on the main display.



Service & Startup Settings:

1. Press and hold the BACK button and the FAN button for 5 seconds at the same time to enter SERVICE Settings.
2. From this menu many settings can be preformed. Most commonly used are; ROOM TEMPERATURE SENSOR LOCATION, SETPOINT LIMIT, DRY CONTACT & IDU ADDRESSING
3. IDU Addressing – Press TEMP DOWN button until IDU Addressing is highlighted and press MENU/OK button to enter.
4. Press TEMP UP or TEMP DOWN to select desired IDU address and press MENU/OK button to lock in.
5. See last page of this document for all SERVICE items.

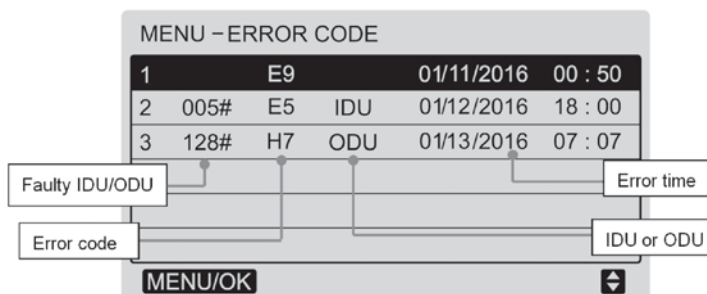
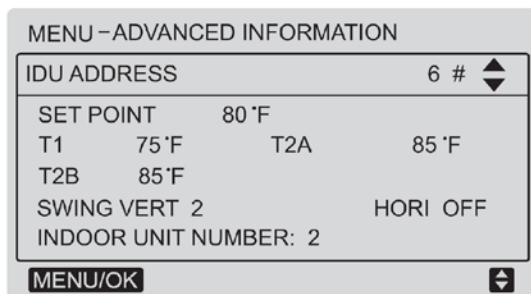
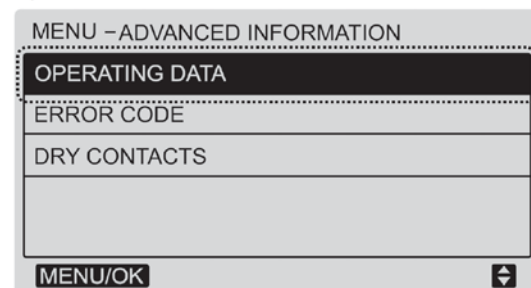
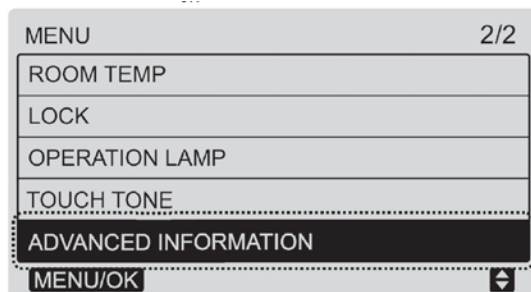




Carrier Bryant VRF Remote Control Quick Startup Guide

Advanced Information:

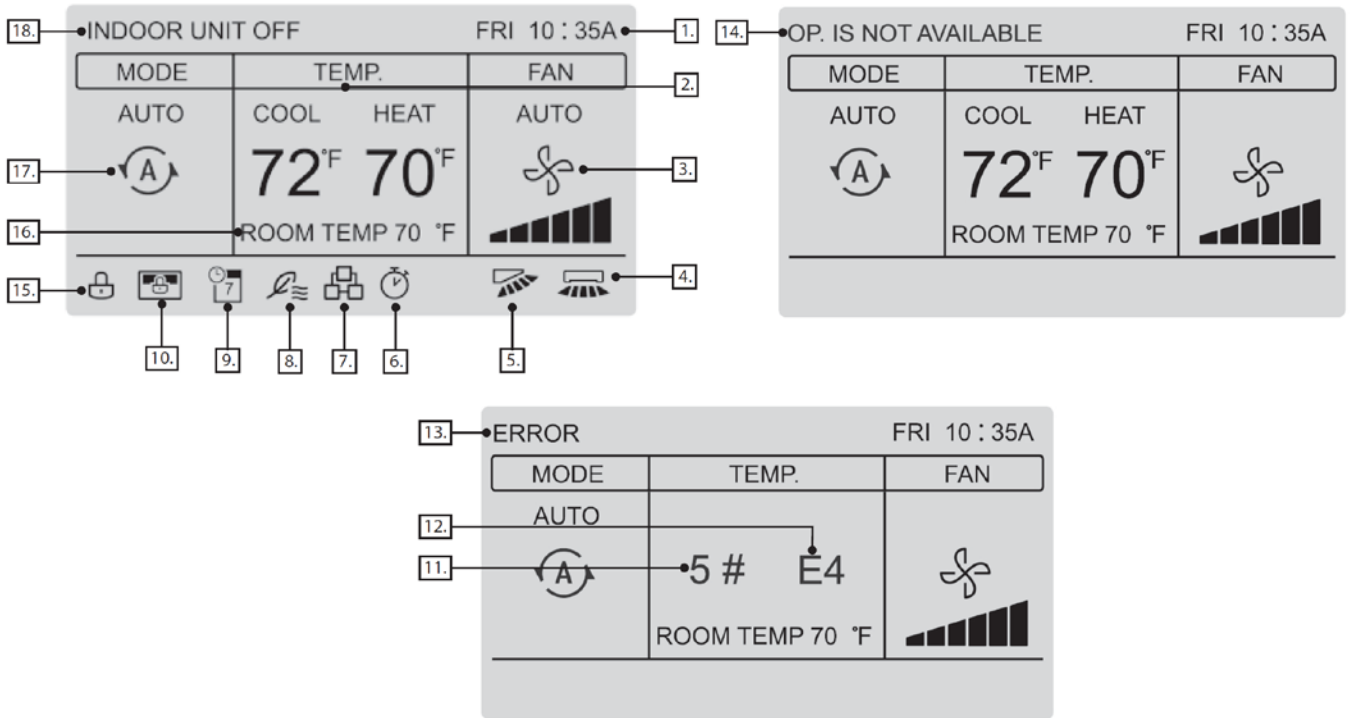
1. On the second page of the MENU options, select **ADVANCED INFORMATION**.
2. If **OPERATIONAL DATA** is selected, sensor and other operational detail can be seen.
 - IF more than one IDU is connected to the same Remote Controller Pressing **TEMP UP** or **TEMP DOWN** will cycle through the other IDU's.
3. If **ERROR CODE** is selected, the last 10 groups of fault codes will be displayed.
4. If **DRY CONTACTS** is selected, the status of each can be seen.





Carrier Bryant VRF Remote Control Quick Startup Guide

Display Items:



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



Carrier Bryant VRF Remote Control Quick Startup Guide

Service Items:

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#