

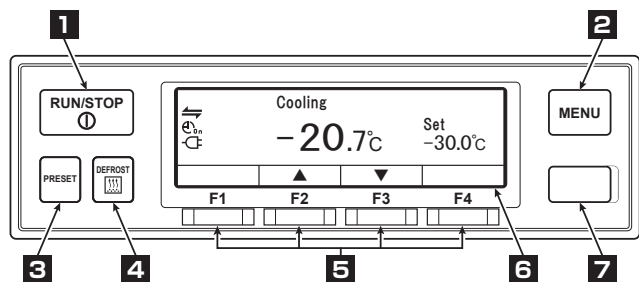
MITSUBISHI TRANSPORT REFRIGERATION UNIT

Full-dot LCD cabin controller guide [TDJS/TDS]

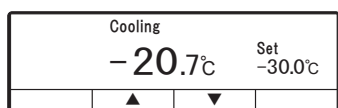
This guide shows how to use full-dot type cabin controller for TDJS/TDS series.

This is the explanation of the main point, so please contact your nearest dealer when you would like to know more detail usage.

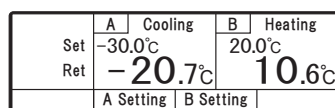
This guide was compiled based on the data up to April 2020 and is subject to change the contents without any prior notice.



<Normal display screen>



LCD for 1-compartment



LCD for 2-compartment

<Function of each part>

- 1** RUN/STOP switch Starts and stops the refrigeration unit.
- 2** MENU switch Selects the normal display screen or the menu display screen. Displays the screen while the refrigeration unit is stopped.
- 3** PRESET switch Selects the normal display screen or the preset display screen.
- 4** DEFROST switch Starts the manual defrost.
- 5** FUNCTION switches 1-4 Functions corresponding to respective setting screens are allocated.
- 6** LCD Displays the inside compartment temperature, setting temperature, state of operation, etc.
- 7** USB terminal Used to read/write data.
(Type B)

<LCD displayed item>

- Abnormal display Lights or blinks when any error occurs.
- Display for external communication. Lights when remote monitoring device so on are communicated.
- Displays for ON/OFF timer. Lights when the ON timer and the OFF timer are set simultaneously.
- Displays the ON timer. Lights when the ON timer operation is set.
- Displays for OFF timer. Lights when the OFF timer operation is set.
- Display for commercial power supply. Lights when the unit is connected to the commercial power supply.

1. How to start and stop operation

Press "RUN/STOP" switch **1** to start or stop the operation.

2. How to start manual defrost

Press "DEFROST" switch **4** once during cooling operation.

3. How to set setting temperature

(1) 1-compartment model

Press "F2 (▲)" or "F3 (▼)" switch to change the temperature and then press "F4 (Set)" switch to fix the temperature on normal display screen. (Temperature can be changed after starting the operation.)

Each push on "F2 (▲)" increases the temperature by 0.5°C and each push on "F3 (▼)" decreases the temperature by 0.5°C.

If each switch is held down, the value changes continuously.

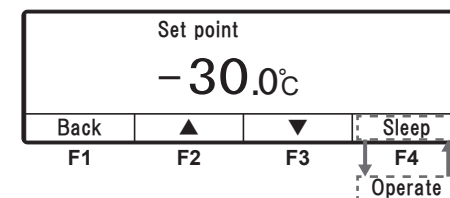
(2) 2-compartment model

Press "F2 (A setting)" or "F3 (B setting)" switch to select compartment.

After selecting the compartment which changes setting temperature, procedure is same as above 1-compartment model.

When operation of one compartment is supposed to be suspended, press "F4 (Sleep)".

When "F4 (Operate)" is pressed, suspension is cancelled and restart operation.

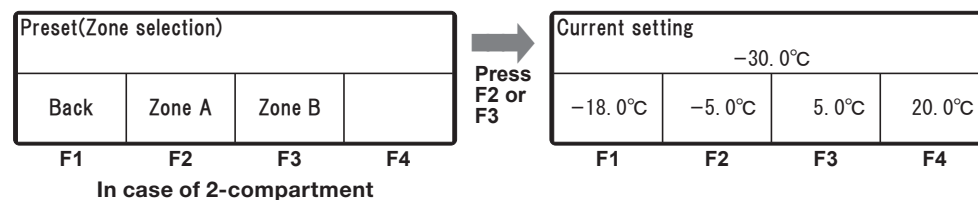


(3) Set preset temperature

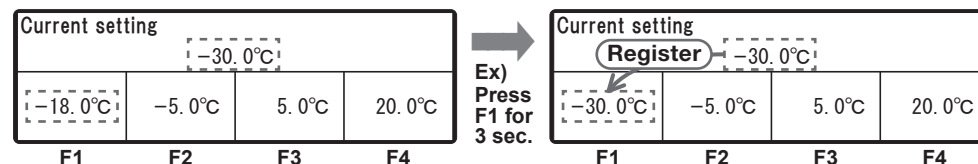
Press "PRESET" switch **3**.

Press "F2 (Zone A)" or "F3 (Zone B)" switch to select the compartment, in case of 2-compartment model.


Press "F1", "F2", "F3" or "F4" switch to select registered preset temperature.



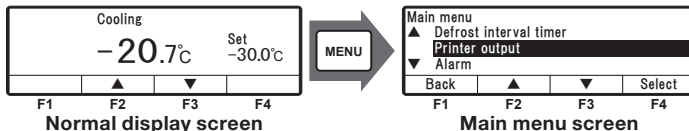
* Registered preset temperature can be changed by holding down "F1", "F2", "F3" or "F4" switch for 3 seconds. (Current setting can be set as preset temperature.)



4. How to use main menu

Press "MENU" switch  on normal display and main menu is displayed. (Right figure)

Press "F2 (▲)" or "F3 (▼)" switch on main menu screen to select the item and press "F4 (Select)" switch to fix the selection.



Printer output			
Printout period	12Hr		
Temp range	±30°C		
Center temp	0°C		
Back	▲	▼	Next

F2 ↑ [Main] ↓ F3

Alarm			
E010	16 Jan 2020 07:10		
E016	15 Jan 2020 08:15		
E013	30 Nov 2019 10:30		
Back		Clear	

F2 ↑ [Main] ↓ F3

Maintenance information			
Comp total operation time/2120Hr			
Back	Reset		Next

F2 ↑ [Main] ↓ F3

Language setting			
▲	German		
	English		
▼	French		
Back	▲	▼	Set

F2 ↑ [Main] ↓ F3

Sub-menu			
▲	Controller sound setting		
	Calendar and clock setting		
▼	Set On Timer		
Back	▲	▼	Select

F2 ↑ [Main] ↓ F3

Operating information			
HP	2560kPa	TD	125°C
LP	150kPa	REV	
AT	----	State	Cooling
Back			▲

F2 ↑ [Main] ↓ F3

Option sensor display			
-20.7°C			
Back			

F2 ↑ [Main] ↓ F3

Current setting			
3.0Hr			
Back	▲	▼	Set

<Printer output>

The temperature graph is printed when optional printer is connected.

<Alarm record>

Up to 3 alarm codes with dates of alarm happened are displayed. Alarm records are cleared by pressing "F3 (Clear)" switch.

<Maintenance information>

Operation time and number of operations of each device are displayed.

<Language setting>

Displayed language is selected from English, French, Italian, Swedish or German. Press "F2 (▲)" or "F3 (▼)" switch to select a language, and fix the selection by pressing "F4 (Set)" switch.

<Sub-menu>

See "5. How to use sub-menu".

<Operating information>

State of operation is displayed. In case of 2-compartment model, the "State" displays 2 letters such as **Ci** (Cooling), **Ht** (Heating), **Df** (Defrost), **Sl** (Sleep), **St** (Stop), **Fl** (Failure) or **Fn** (Fan), starting from the compartment **A** to **B**.

<Option sensor display>

Optional sensor temperature is displayed when installed.

<Defrost interval timer>

The defrost interval is displayed. Press "F2 (▲)" or "F3 (▼)" switch to select setting time and fix the selection by pressing "F4 (Set)" switch. Setting is at OFF, or at every 30 minutes in the range of from 0.5 hours to 6 hours.

5. How to use sub-menu

Press "F2 (▲)" or "F3 (▼)" switch on sub-menu screen to select the item and press "F4 (Set)" switch to fix the selection.

Calendar and clock setting			
01	Jan	2020	00:00
Back	▲	▼	Next

F2 ↑ [Sub] ↓ F3

Set ON timer			
ON timer disable			
Back	Enable	Disable	Set

F2 ↓

Set ON timer			
ON timer enable			
Back	Enable	Disable	Set

↓ F4

Set ON timer			
01	Jan	2020	Stating operation
Back	▲	▼	Next

F2 ↑ [Sub] ↓ F3

Set OFF timer			
OFF timer disable			
Back	Enable	Disable	Set

F2 ↑ [Sub] ↓ F3

Contrast setting			
Back	▲High	▼Low	Set

F2 ↑ [Sub] ↓ F3

Option select			
Option1 setting OFF			
Back	Previous	Next	Select

F2 ↑ [Sub] ↓ F3

LCD backlight setting			
▲	Always ON		
	Light SW linked		
▼	Lit at key operation only(20sec)		
Back	▲	▼	Select

F2 ↑ [Sub] ↓ F3

Controller sound setting			
ON			
Back	ON	OFF	Set

<Calendar and clock setting>

Date, Month, Year and current time are set.

Press "F2 (▲)" or "F3 (▼)" switch to adjust at current date and press "F4 (Next)" switch.

Then adjust month, year and current time by same procedure and press "F4 (Set)" at last.

<Set ON timer>

Date and time to start the refrigeration unit automatically is set.

1) Press "F2 (Enable)" for ON timer.

2) Press "F4 (Set)" for Stating operation time.

3) Set the calendar for ON timer by same procedure of calendar and clock setting.

<Set OFF timer>

Date and time to stop the refrigeration unit automatically is set.

Procedure is same as ON timer.

<Contrast setting>

Screen contrast is adjusted.

Use "F2 (▲)" switch to intensify the contrast or "F3 (▼)" switch to diminish the contrast.

<Option select>

This is the future usage display.

<LCD backlight setting>

LCD backlight is set and following is the setting.

[Light SW linked], [Lit at key operation only(20sec)], [Always OFF], [Always ON]

<Controller sound setting>

Switch operating sound is turned on or off is set.

Select ON or OFF by pressing "F2 (ON)" or "F3 (OFF)" switch, and fix the selection by pressing "F4 (Set)" switch.