MITSUBISHI TRANSPORT REFRIGERATION UNIT Full-dot LCD cabin controller guide [TU series]

This guide shows how to use full-dot type cabin controller for TU 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 complied based on the data up to April 2020 and is subject to change the contents without any prior notice.



3. How to keep engine low speed or switch auto start stop⇔continuous

Press "F1 (Whisper)" switch to keep engine low speed.
Press "F4 (S-S⇔Cont)" to switch auto start-stop or continuous operation. [1 or 2-compartment model]
* In case of 3-compartment model, using of main menu is necessary to switch auto start stop⇔ continuous.



4. How to set setting temperature

(1) 1-compartment model

Press "F2 (\blacktriangle)" or "F3 (\bigtriangledown)" 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 (\bigstar)" increases the temperature by 0.5°C and each push on "F3 (\blacktriangledown)" decreases the temperature by 0.5°C.

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

(2) 2 or 3-compartment model

Press "F2 (A setting)", "F3 (B setting)" or "F4 (C 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)", "F3 (Zone B)" or "F4 (Zone C)" switch

to select the compartment, in case of 2 or 3-compart-

ment model

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

Preset(Zon	e selection)				Current set	ing		
				Droop		-30	0°C	
Back	Zone A	Zone B	Zone C	F1ess F2 or F3 or F4	−18.0°C	−5. 0°C	5. 0°C	20. 0°C
F1	F2 n case of 3-c	F3 ompartmen	F4		F1	F2	F3	F4

*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.)



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.





5. How to use main menu

Press "MENU" switch 2 on normal display and main menu is displayed. (Right figure) Press "F2 (\blacktriangle)" or "F3 (\bigtriangledown)" switch on main menu screen to select



Select ▼ F3 F4 Main menu screen

the item and press "F4 (Select)" switch to fix the selection.

Current set	ting						
	Start-Stop	operation	0				
Back	Start-Stop	Continuous	Set				
	F2 📥 [Ma	ain] 👿 F3					
Printer outp	out	4.011					
Printout period 12Hr							
Center	temp	0°C					
Back		▼	Next				
·	F2 📥 [Ma	ain] 👿 F3					
Alarm							
E010	16 Jan 202	0 07:10					
E016		15 Jan 2020 08:15					
Back		30 NOV 2019 10.30					
Dauk	E2 🔺 [M-						
Maintenanc	e informatio	ang vis					
Engine one	ration time	1/1520Hr					
Engine operation time 1/1520Hi							
Back	Reset		Next				
	F2 📥 [Ma	ain] 👿 F3					
Current set	Current setting						
Pre trip inspection(Basic)							
Baak	Basic	Detail	DTI Stort				
Dack	(Min)	(Max)	FIIStart				
	F2 📥 [Ma	ain] 🔽 F3					
Language s	etting						
▲ Germa	n						
English							
Back		-	Sat				
Dauk	E2 🔺 [M-	ain] E2	061				
Sub-menu							
Fuel cir	culation mo	de					
Calendar and clock setting							
▼ Set On	Timer	1					
Back			Select				
	F2 [Ma	ain] F3					
Uperating in HP	110rmation 2560kPa	C003 TD	125°C				
LP	150kPa	REV	2150/H				
AT	38°C	State	Cooling				
Back							
		ain] [2	CI Ht				
			A B [C]				
Option sens	Option sensor display						

−**20**.7℃

F2 [Main] F3

6. 0Hr

•

Set

Back

Back

Current setting

<Operation pattern selection mode>

Auto start-stop or continuous is selected by pressing "F2 (Start-Stop) or "F3 (Continuous) and then "F4 (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

<Pre trip inspection (PTI) setting>

Self-diagnosis operation can be done by pressing "F2 (Basic)" or "F3 (Detail)" and then "F4 (PTI Start)". * Basic: Complete around 5 min, Detail: Around 2 hrs

<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 "6. How to use sub-menu".

<Operating information>

State of operation is displayed. In case of 2-compartment [3-compartment] model, the "State" displays 2 letters such as Cl (Cooling), Ht (Heating), Df (Defrost), SI (Sleep), St (Stop), FI (Failure) or Fn (Fan), starting from the compartment A to B [to C].

<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 every 1 hr in the range of from 1 hr to 12 hrs.

6. How to use sub-menu

Press "F2 (\blacktriangle)" or "F3 (\bigtriangledown)" switch on sub-menu screen to select the item and press "F4 (Set)" switch to fix the selection. (except Fuel circulation mode)

Calendar and clock setting OI Jan 2020 00:00				<calendar and="" clock="" setting=""> Date, Month, Year and current time are set. Press "F2 (\blacktriangle)" or "F2 (\blacksquare)" switch to adjust at current date and p</calendar>		
Back	A	•	Next	"F4 (Next)" switch.		
F2	2 [Sub]	F3	<u>Set</u>	Then adjust month, year and current time by same procedure press "F4 (Set)" at last.		
Set ON timer	-	•		<set on="" timer=""> Date and time to start the refrigeration unit automatically is set.</set>		
ON	l timer disabl	e				
Back I	Enable Di	isable	Set	1) Press "F2 (Enable)" for ON timer.		
F2	2					
Set ON timer				2) Press "F4 (Set)" for Stating operation time.		
		*				
Back	Enable Di	isable	Set			
			F4			
Set ON timer				3) Set the calendar for ON timer by same procedure of calendar		
<u>01</u> Jan	2020 Sta	ating ope	eration	clock setting.		
Back	A	•	Next			
F2	2 🔺 [Sub]	F 3				
Set OFF timer				<set off="" timer=""></set>		
Back	Enable Di	isable	Set	Procedure is same as ON timer.		
		-				
F2 Contrast settir		¥ F3		<contrast setting=""></contrast>		
				Screen contrast is adjusted.		
Back	▲High ▼	Low	Set	Use "F2 (\blacktriangle)" switch to intensify the contrast or "F3 (\triangledown)" switch diminish the contrast.		
F2	2 🔺 [Sub]	F3				
Option select		055		<option select=""></option>		
Option1 set	ting (0FF		This is the future usage display.		
Back P	revious N	Next	Select			
F2	2 🔺 [Sub]	F3				
LCD backlight setting				<lcd backlight="" setting=""></lcd>		
Light SW linked				LCD backlight is set and following is the setting.		
LIT at key operation only(20sec) Back Select) Select	[Always OFF]. [Always ON]		
F2	2 🔺 [Sub]	• • F3				
Controller sour	nd setting			<controller setting="" sound=""></controller>		
	ON			Switch operating sound is turned on or off is set.		
	ON	OFF	Set	select ON or OFF by pressing "F2 (ON)" or "F3 (OFF)" switch, and fix selection by pressing "F4 (Set)" switch.		
Back						
Back F2	2 🔺 [Sub]	F3		< Euclidian modes		
Back F2 Fuel circulation	2 [Sub]	1		<fuel circulation="" mode=""> Eval is circulated forcibly to engine and air trapped in the fuel system</fuel>		
Back F2 Fuel circulation Back	2 [Sub] 1 mode COFF ON	<u> </u>		<fuel circulation="" mode=""> Fuel is circulated forcibly to engine and air trapped in the fuel syste is purged by pressing "F2 (ON)". Permaining time is displayed during fuel size data</fuel>		