



## Technical Specification

Customer Name : Pars Appliance MFG. CO.

Model Name : LARDER  
Twin Ref



### Keys & Function

---

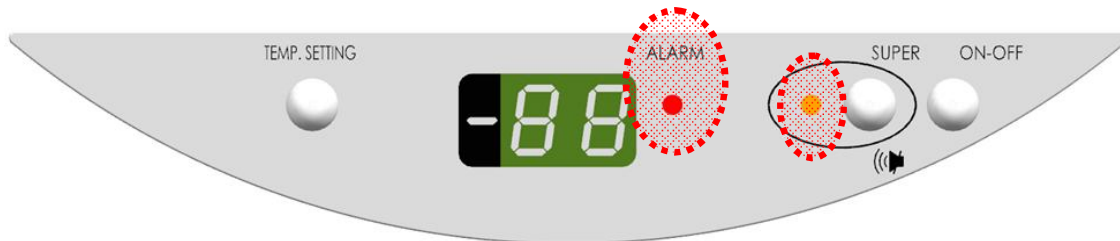


- TEMP.SETTING                      Setting the Ref Room Temperature (+1°C ~ +8°C)
- SUPER (Mute)                      Canceling the Buzzer Sound
- SUPER (3 seconds)                Setting the "Super Cooling Mode"
- ON/OFF                              Power ON/OFF during the Plug-In states  
Note>  
During the OFF Mode, all Function should be not workable.  
(including not checking the Error)

#### Cf> Dual Keys

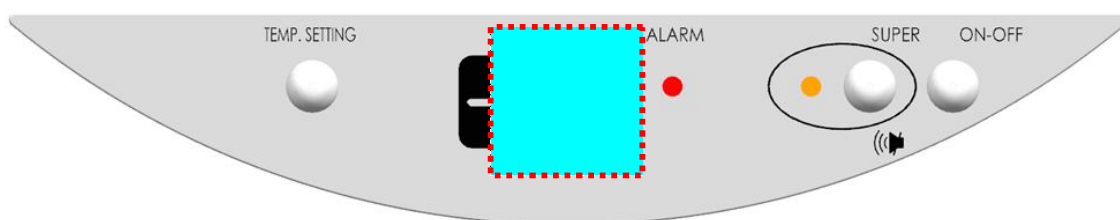
- Test Mode                              "TEMP.SETTING + SUPER " (5 seconds)
- States Mode (St)                      "TEMP.SETTING + SUPER + ON/OFF" (5 seconds)

### Indicating LED Lamp



- "ALARM" LED Lamp
  - indicating the abnormal working state as like Door Open / Error
  - Red Color
  - Blanking ON / OFF
  - Note>
  - If the Door is opened for over 60 seconds, the Buzzer Sound becomes activated. (ON 0.5 seconds / OFF 0.5 seconds)
- "SUPER" LED Lamp
  - Indicating the "Super Cooling Mode" activating
  - Yellow Color
  - ON / OFF

### Displaying Temperature



- "88" Segments
  - indicating the Setting Temperature / Error Code / States Code

Remarks>

During the Cooling mode, the Setting Temperature is displayed.

During the Super Cooling Mode, "SU" is displayed.

### Cooling Mode / Setting the Temperature

---

#### 1. Plug-In & Entering the Cooling Mode

Under the "ON" Setting,  
the Refrigerator (Twin Ref : DARDER) is working in accordance with below Cut-In / Cut-Off.

Setting Temp.	Cut-In (Comp ON) Temp by Eva Sensor	Cut-Off (Comp Off) Temp by Room Sensor
+1 °C	+5 °C	0 °C
+2 °C	+5 °C	+1 °C
+3 °C	+5 °C	+2 °C
+4 °C	+5 °C	+3 °C
+5 °C	+5 °C	+4 °C
+6 °C	+5.5 °C	+5 °C
+7 °C	+6.5 °C	+6 °C
+8 °C	+7.5 °C	+7 °C

#### 2, Displaying the Temperature and Setting the Temperature during the Cooling Mode

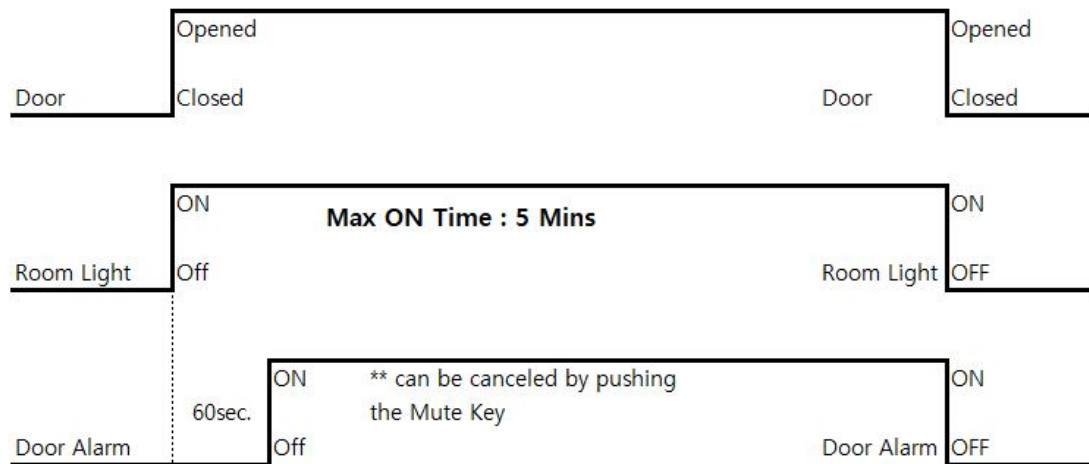
- Default Temp : +5 °C
- During the Cooling Mode, the Setting Temperature is displayed on the Display Panel.
- How to set the Temperature
  - Pushing the "Temp" key for 2 seconds
  - 5 °C -> 4 °C -> 3 °C -> 2 °C -> 1 °C -> 8 °C -> 7 °C -> 6 °C -> 5 °C -> 4 °C
  - Blinking in Temp Setting

Remarks>

The latest Setting Temperature is saved even in plug-out.

## Function Specification for Twin Ref : "LARDER"

### 3, Room LED / Alarm in Door Open



- Room LED ON Max : 5 minutes
- Door Alarm is kept blanking if the Door is continuously opened since 60 seconds later.
- Buzzer Sound becomes ON (ON 0.5 seconds  $\leftrightarrow$  OFF 0.5 seconds) with the Door Alarm ON. And it can be canceled by pushing the Mute key.. And it will not become again ON until the Door is opened. But the mute Alarm will reset when the Door is closed.

### 4, Fan Operation

During the Cooling Mode,

Comp ON – Fan ON

Comp OFF – Fan ON 2 minutes / Fan OFF 2 minutes

During the Super Cooling Mode

Com ON – Fan ON

Remarks > Fan is dependent of the Door Open/Close operation. (if the Door open, immediately Fan OFF)

## Super Cooling Mode

---



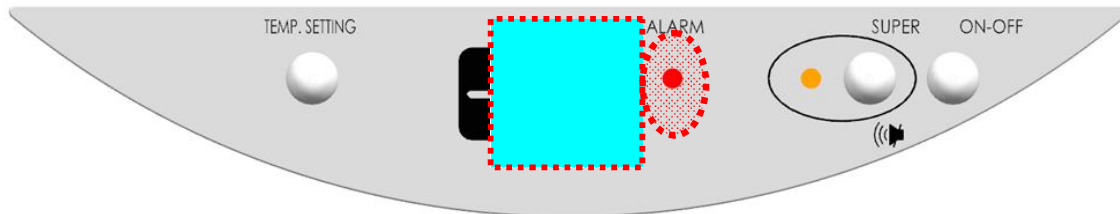
### How to enter / terminate

Pushing the Super key for 3 seconds

### Operating the Super Cooling Mode

- Continuous Comp ON for 6 Hours until reaching to 1 °C  
(after reaching to +1°C or passing 6 hours, Super Mode becomes to be finished)
- Yellow LED ON in Super Cooling Mode. "SU" is displayed.
- Once terminating the Super Cooling Mode, the Setting Temp will be returned to the latest Setting Temp.

## Error Mode

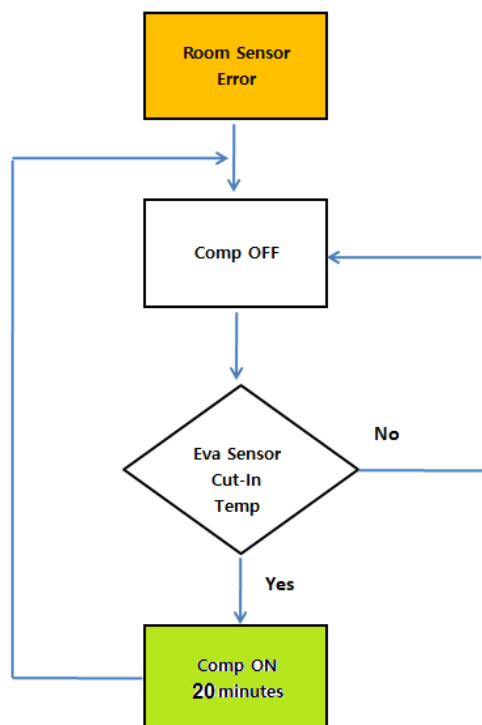


### 1. Room Sensor Error : Error Code "AF"

- Room Sensor "Open / Short" condition
- Displaying Error code : AF
- Alarm ON with Buzzer Sound ON (ON 1 second  $\leftrightarrow$  OFF 1 second).  
But Buzzer sound can be OFF by pushing the Mute key.  
And it will not become again On Until the Door is opened.

#### Only Room Sensor Error

(Eva Sensor is not Error)



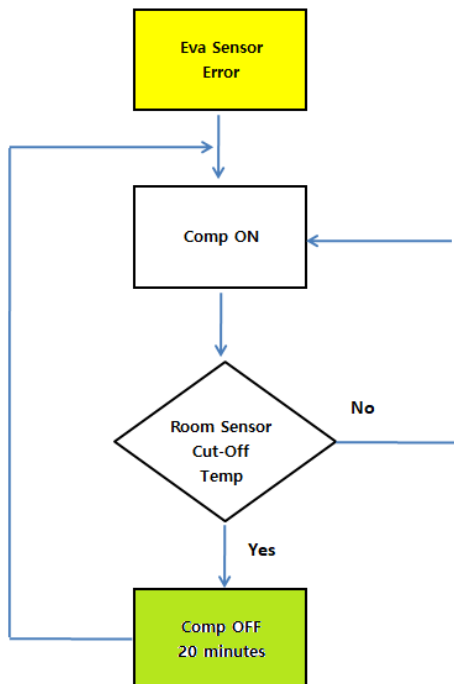
## Function Specification for Twin Ref : "LARDER"

### 2. Eva Sensor Error : Error Code "EF"

- Eva Sensor "Open / Short" condition
- Displaying Error code : EF
- Alarm ON with Buzzer Sound ON (ON 1 second  $\leftrightarrow$  OFF 1 second).  
But Buzzer sound can be OFF by pushing the Mute key.  
And it will not become again On Until the Door is opened.

#### Only Eva Sensor Error

(Room Sensor is not Error)



### 3. Cooling Error : Error Code "LO"

- Room Temperature is continuously "over +8°C (as like +9°C) for 10 hours".
- Displaying Error code : LO
- Alarm ON with Buzzer Sound ON (ON 1 second  $\leftrightarrow$  OFF 1 second).  
But Buzzer sound can be OFF by pushing the Mute key.  
And it will not become again On Until the Door is opened.

Remarks>

Buzzer Sound can be OFF once pushing the Mute key.



## Function Specification for Twin Ref : "LARDER"

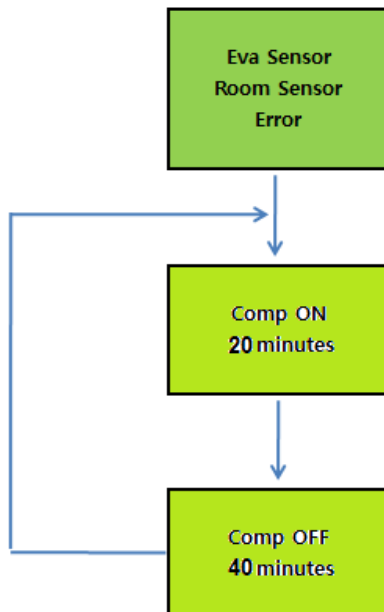
Note>

In the case of both sensor (Room Sensor and Eva Sensor) Error

- Eva Sensor "Open / Short" condition
- Displaying Error code : EF
- Alarm ON with Buzzer Sound ON (ON 1 second  $\leftrightarrow$  OFF 1 second).  
But Buzzer sound can be OFF by pushing the Mute key.  
And it will not become again On Until the Door is opened.
- Room Sensor "Open / Short" condition
- Displaying Error code : AF
- Alarm ON with Buzzer Sound ON (ON 1 second  $\leftrightarrow$  OFF 1 second).  
But Buzzer sound can be OFF by pushing the Mute key.  
And it will not become again On Until the Door is opened.

### Both Sensor Error

(Room Sensor Error & Eva Sensor Error)



### Test Mode

---



#### How to enter

Pushing the "Temp + Super" keys for 5 seconds

#### Auto Test Mode

automatically starting to Test the parts (Comp / Fan / Room Lamp) as below.

- Turning ON 88-Segments for each 1 second interval
- Turning ON LED (RED LED / YELLOW LED) for each 1 second interval
- 5 seconds Delay Time for checking the 3 keys
- Comp ON for 5 seconds
- Fan ON for 5 seconds
- Room Lamp ON for 5 seconds

And then,

Automatically returning to the Normal Cooling Mode

### States Mode

---



#### How to enter

Pushing the "Temp + Super + ON/OFF" keys for 5 seconds  
Displaying the "St" in States Mode,  
pushing "Temp" key

#### Displaying the States in sequence

tA (Room Temperature)  
Temp  
tE (Eva Temperature)  
Temp  
CO (Compressor)  
ON / -- (OFF)  
FA (Fan)  
ON / -- (OFF)

#### How to terminate

Pushing the "Temp + Super + ON/OFF" keys  
Or  
If no key is pressed after 2 minutes, automatically returning to the normal cooling mode.