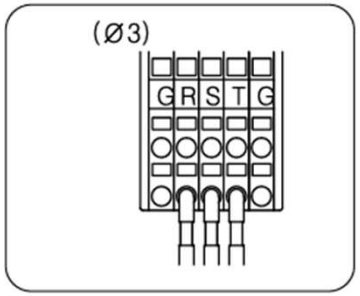
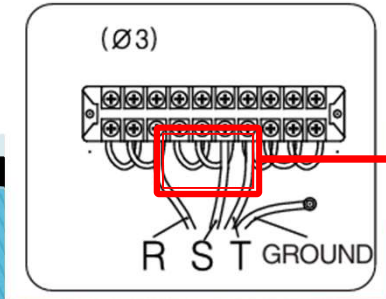
Installation & Initial setting For ISI-203SN(SSI-203)

Icetro America

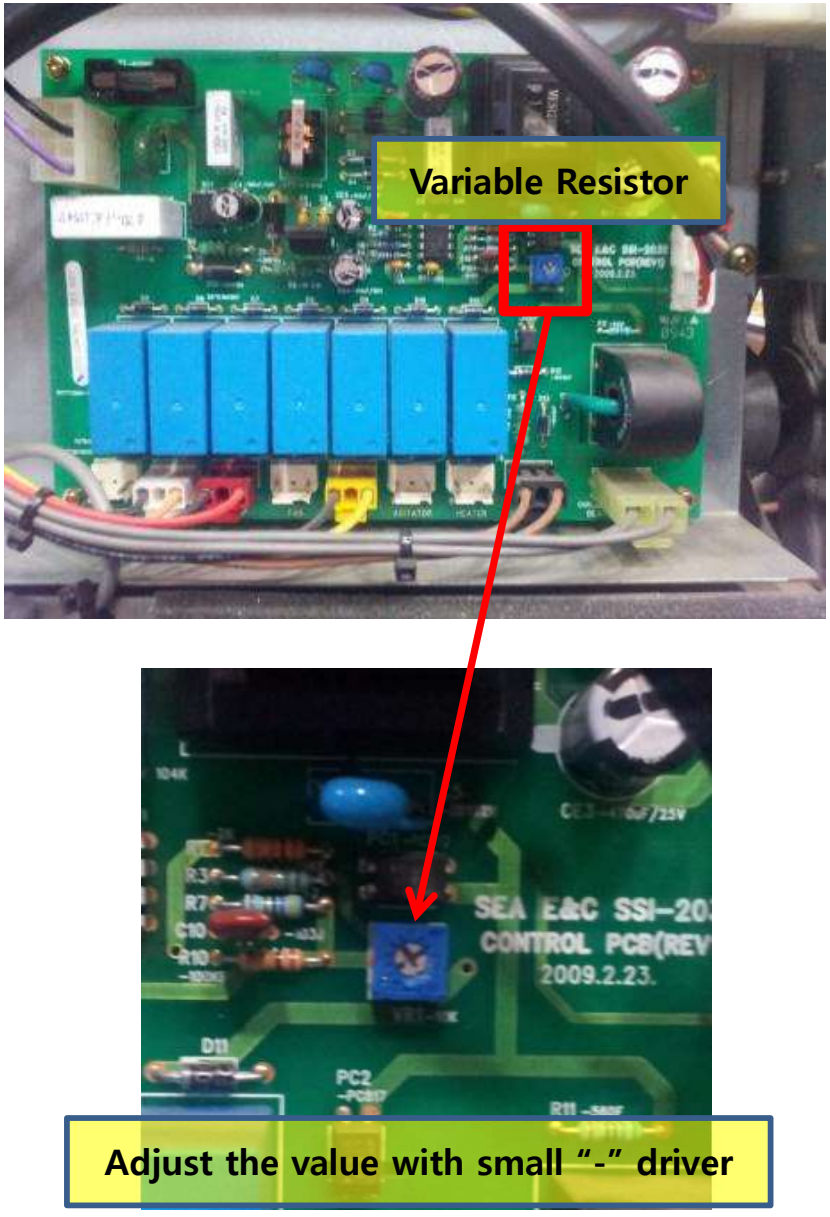
▣ Key specification

Row	Item	Specification	Requirement
1	Electricity	208~230V/60Hz/3phase	250VAC, 3-Phase, 30A, 3-Pole, 4Wire, NEMA L 15-30P plug is required
2	Amp	Max. 35A, Operation: 20~23A	Minimum 30Amp circuit breaker is required.
3	Power consumption	4390W	
4	Main(Freezer) compressor BTU	3308 Btu/h per 1 compressor	
5	Refrigerant	Freezer(Cylinder) : R404A	28.22oz.
		Refrigeration(Hopper) : R134A	6oz.
6	Time for initial consistency	11 minutes at 80F	
7	Recovery tim	4 minutes at 80F	

▣ Measurement of supplying voltage

No	Explanation	Picture
1	1) Remove the cover of the control box. 2) Connect the power cord and turn on the machine. 3) Measure the voltage power lines at the terminal block. (Use clamp meter or multi-tester)	 Remove the cover of the control box.   Measure the supplied voltage with tester.

▣ Adjust the voltage between the number of real supplied and machine recogniz

No	Explanation	Picture
2	1) If the measured value is different with the value of "1-3", then need to adjust the value with the variable resistor on the control PCB. 2) "1-3" : Currently supplied voltage 3) If you press "Set" button lightly, you can enter the mode to check the setting value of machine. Use the "▲", "▼" buttons. 4) When you adjust the value of variable resistor, you had better use small "-" driver. - Clockwise : Increase - Counter clockwise : decrease	

▣ Adjust the voltage between the value of real supplying and machine reads

No	Explanation
3	1) Adjust the value of "4-13-1". : Approximate value with the "1-3". - "4-13-1" : Supply Voltage Criteria 2) Adjust method for "4-13-1". - Press the "Set" and "Select" button at the same time for 3 seconds over. - Insert the password. The initial password is "1111" → When the display is blinking for insert the password, press "▲" button. The first number will be changed as 1. → Press "Set" button. The digit will be move onto the next to put the number. → Press "▲" button again. The second number will be changed as 1. → The next procedure to put the password is same with the above. - Press the "Set" button continuously until you find the "4-13-1" item. - Adjust the value approximate with the value of "1-3".

▣ 3-1 Amps Setting

<table>
<tr><th>No</th><th>Explanation</th></tr>
<tr><td>4</td><td>
1) Please check the below items pressing lightly the "Set" button.
① 1-1 : Soft ice cream level setting value
→ The displayed value indicates how much higher from the no load Amps(1-2) the soft ice cream level is.
② 1-2 : The initial soft ice cream level(No load Amps for the dasher/Beater motor).
2) Please check the below item pressing the "Set" button for 3 seconds.(Pin code 0000)
① 3-1 : Adjust the soft ice cream level.
→ This item is used to adjust the target Amps of the soft ice cream.
The large number is, the stronger the soft ice cream level is.
The smaller number, the weaker it is.
→ The factory default setting Amps : 2.0A
→ The maximum setting Amps : 3.0A
※ The Amps of "3-1" means the gap between the no load Amps.
Please refer to the below example.
3) Example
<table>
<tr><th>Value / Case</th><th>1-1</th><th>1-2</th><th>3-1</th><th>Result</th><th>Remarks</th></tr>
<tr><td>1</td><td>1.5A</td><td>1.5A</td><td>1.5A</td><td>Machine cannot work</td><td rowspan="3">Adjust the value of "3-1". When you change the value of "3-1", the value of "1-1" is changed at the same time.
Adjust by 0.1A</td></tr>
<tr><td>2</td><td>2.0A</td><td>1.0A</td><td>2.0A</td><td>Machine works</td></tr>
<tr><td>3</td><td>3.5A</td><td>2.0A</td><td>3.5A</td><td>The ice cream might be frozen excessively. (1.5A is over Max.)</td></tr>
</table>
</td></tr>
</table>

▣ Making Ice Cream

No	Explanation
5	1) Set the value of "3-1" properly after you check the no load Amps value of "1-2". 2) Pour 0.5 gallon of mix in the hopper and please wait until the mix flows into the cylinder sufficiently. ※ The temperature of mix should be **50F ~ 41F**. Should not be lower than 41F 3) Plug the carburetor and block the hole. 4) Pour again rest of mix in the hopper. ※ Please see that the insufficient ingredient lamp(Mix Low) is turned off. 5) Power turn off and turn on. ※ It is only necessary process in order to save the changed setting value on the MICOM when setting of 3-1 is changed 6) Press "Auto" button. The machine will be operated to make the ice cream.