ECO HP/HR Quick Reference Guide



Important Notice This is not a substitute for the installation or service manuals. As new products are released, this list will be updated. Samsung is in no way responsible for inaccuracies. This document is intended to be used as a reference.



System Communication Wiring Guide

Wired Remote to Indoor Unit Terminal Block

Iqqrru#xq1w

Outdoor Unit Terminal Block



F1 F2 1 2 3 4 **T** @ @ 12 Indoor unit +16/17,ru+6/7, Wire (not supplied) Wired Remote Controller PCB terminal 0 0 Front cover

Indoor Unit Terminal Block

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Indoor unit PCB



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Piping Design

Standard HP: Y piping for heat pump application SAMSUNG

Standard HR: Piping for heat recovery application

Refrigeration piping:

- All piping specifications must be followed to insure that the system will operate properly.
- Maintain a minimum straight line distance: $\geq 20^{\circ}$ before connecting to a Y-joint.
- Minimum 36" straight line between Y-joints. ٠
- HR Changer: Mandatory device for indoor unit mode changeover
- HR Changer is installed as the first device in the refrigerant piping network. (Heat recovery only)
- Cool-only indoor unit is connected to the HR Changer low pressure gas and liquid outgoing pipes.
- Sub MCU required for additional indoor unit zones after the HR Changer



HR & Sub MCU Chart



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MCU Settings (HR changer & Sub changer)

| rete. I ever maet se en, complete prier te date datiecenng | | | | | | | | |
|--|------------------------|------------------------|--|--|--|--|--|--|
| Port assign DIP switch No. | ON (Port Used) | OFF (Port not used) | | | | | | |
| 1 | Port A used | Port A not used | | | | | | |
| 2 | Port B used | Port B not used | | | | | | |
| 3 | Port C used | Port C not used | | | | | | |
| 4 | Port D used | Port D not used | | | | | | |
| | Second DIP switch bank | | | | | | | |
| 1 | Port E used | Port E not used | | | | | | |
| 2 | Port F used | Port F not used | | | | | | |

| N 1 4 | 1 1 | ~~ | 1 1 | • • | | | • |
|-------|-----------|------------|----------|---------|--------|------|---------|
| NOt | muet ha | Off | complete | nrior t | | addr | Deeina |
| NUU | IIIUSL DC | UII. | | | u autu | auui | CSSIIIU |
| | | , | | | | | J |

| Pairing DIP switch No. | ON (Individual setting) | OFF (Paired setting) |
|---------------------------|-------------------------------|-------------------------|
| 1 | A & B not paired | A & B paired |
| 2 | C & D not paired | C & D paired |
| 3 | E & F not paired | E & F paired |
| 4 | N/A | N/A |





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Example: Port "C" not used. Capacity per port (≤19 MBtu)











System PCB Identification

36, 48, & 53 MBtu/h Heat Pump Models

60 MBtu/h HP Model – All HR Models



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36, 48 & 53 Btu HP Initial System Settings

With system powered off:

Set the connected indoor unit quantity on the ODU PCB

SW51:10's SW52:1's



- When the ODU is powered up:
 - The system will automatically address the IDU's
 - **Option**: Manual addressing remote controller or SNET Pro 2

Set the quantity of indoor units from rotary switches: SW51 & SW52



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36, 48 & 53 Btu HP Initial System Settings

| Switch | Posi | tion | Function | | | |
|-----------|-----------------|------|---|--|--|--|
| K6 | ON | | Snow prevention (Used) Default | | | |
| NO | OF | FF | Snow prevention (Not used) | | | |
| | ON ON ON OFF | | (Target evap temp) 7-9 ºC / 44.6-48.2 ºF <mark>Default</mark> | | | |
| K7 & K8 | | | 5-7 °C / 41-44.6 °F | | | |
| | OFF | ON | 9-11 ºC / 48.2-51.8 ºF | | | |
| | OFF OFF | | 10-12 ºC / 50-53.6 ºF | | | |
| | ON | ON | Night quiet mode not used Default | | | |
| K9 & K10 | ON | OFF | Step – 1 | | | |
| N9 a K IU | OFF | ON | Step – 2 | | | |
| | OFF | OFF | Step - 3 | | | |



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36, 48 & 53 Btu HP Initial System Settings

| Switch | Posi | tion | Function | | | | |
|-----------|------|------|-------------------------------------|------------------------------|--|--|--|
| | ON | ON | Capacity correction heating Default | | | | |
| K11 & K12 | ON | OFF | Default - | - 28.4 psi | | | |
| KII & KIZ | OFF | ON | Default - | - 14.2 psi | | | |
| | OFF | OFF | Default + | - 14.2 psi | | | |
| | ON | ON | 3 ton <mark>Default</mark> | 4 + ton <mark>Default</mark> | | | |
| K13 & K14 | ON | OFF | Max current (–) 4(A) | Max current (–) 2A) | | | |
| K13 & K14 | OFF | ON | Max current (–) 6(A) | Max current (–) 4(A) | | | |
| | OFF | OFF | Max current (–) 8(A) | Max current (–) 6(A) | | | |
| | ON | ON | MID <mark>D</mark> | Default | | | |
| K15 & K16 | ON | OFF | М | ID | | | |
| KIJAKIO | OFF | ON | LOW1 (H | Humidity) | | | |
| | OFF | OFF | LOW2 (H | Humidity) | | | |



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Outdoor Unit Option Settings – Defrost Interval Adjustment

- Defrost mode can start after 30 minutes of heat operation run time, and the suction temperature at the outdoor unit heat exchanger is less than 23°F, or there is a significant temperature difference between the heat exchanger suction gas and ambient.
- For installations with high humidity which creates too many defrost cycles, defrost interval can be changed to LOW1 or LOW2 (K5 K6)
- Heating capacity is reduced in this operation

| Switch | Position | | Function |
|-----------|----------|-----|-----------------------|
| | ON | ON | Humidity MID1 Default |
| | ON | OFF | Humidity MID2 |
| K15 & K16 | OFF | ON | Humidity LOW1 |
| | OFF | OFF | Humidity LOW2 |

36,48&53 MBtu/h HP models



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| Step | Button press | Display | Description | Note | | | | | | | |
|--------|--|--------------------------------------|----------------------------|-----------------------------------|--|--|--|--|--|--|--|
| Step 1 | Power on unit | | Indoor setting required | - | | | | | | | |
| | Quantity of indoor units | | | | | | | | | | |
| Step 2 | Press <mark>K1</mark> & <mark>K2</mark> for 2 seconds | - | | | | | | | | | |
| | <mark>K2</mark> | id <mark>X</mark> 0 | Ten digit setting | | | | | | | | |
| Step 3 | <mark>K4</mark> | id 0 <mark>X</mark> | Ones digit setting | - | | | | | | | |
| | На | old <mark>K4</mark> for 2 seconds to | start auto detection mo | de | | | | | | | |
| | Heat pumps hold <mark>K2</mark> | to save and exit. Segm | nent will display Ad 00 th | hen UP. | | | | | | | |
| | | Quantity of MCU (H | R only) | | | | | | | | |
| Step 4 | Press <mark>K1</mark> | AE 88 | Ready to set | (<mark>Default</mark>) | | | | | | | |
| | K2 | NC <u>X</u> 0 | Ten digit setting | | | | | | | | |
| Step 5 | <mark>K4</mark> | NC 0 <mark>X</mark> | Ones digit setting | - | | | | | | | |
| | | Hold <mark>K4</mark> for 2 seconds t | for auto detection mode | 9 | | | | | | | |
| | | Heat recovery se | tting | - | | | | | | | |
| Step 6 | Press <mark>K1</mark> | <u>88 88</u> | System type | - | | | | | | | |
| Stop 7 | Press <mark>K4</mark> | ht 00 | Heat pump | (<mark>Default</mark>) | | | | | | | |
| Step 7 | F1635 <mark>N4</mark> | ht 01 | Heat Recovery | Must set | | | | | | | |
| Step 8 | Hold <mark>K2</mark> | Exit | Save | Unit will display E201 or E213 | | | | | | | |



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MCU Auto Pipe Pairing Auto Addressing (H/R only)

Note: MCU address and dip switch settings must be completed before Auto Pipe Pairing operation is initiated

The outdoor unit will display E213 if addressing has not been completed

The Indoor Unit MICOM firmware version must be "161222" or higher see next slide

To run the Auto Pipe Pairing operation, take the following steps:

1.Press the K2 button 10 times on the main PBA of the outdoor unit to start the Auto pipe pairing operation. (Display : EA

| Temperature | Outdoor temp < 75°F | Outdoor temp 75°F ≥ 85°F | Outdoor temp ≥ 86°F | |
|------------------------|------------------------|-----------------------------|------------------------|--|
| Avg. Indoor temp <75°F | Main besting operation | Main heating operation | Main cooling operation | |
| Avg. Indoor temp ≥75°F | Main heating operation | Main cooling operation | Main cooling operation | |

- The operation takes about 25 to 55 minutes normally depending on the number of indoor units connected.(Max 2hours)

Step 1 (Start **FRUE**) \rightarrow Steps 2 - 8 (Setup **FRUE**) \rightarrow Step 9 (Check **FRUE**) \rightarrow Step 10 (Confirmation **FRUE**)

Note: Verify service valves are open and the proper charge has been added

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NOTE:

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- Press and hold the K1 button to reset values to previous settings.
- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting. Press K3 at any time to exit.

 Press and hold K2 to enter the option setting. (system must be thermo-off)
-display will show as follows:



- -SEG 1 & 2 will display the number of the optional setting. -SEG 3 & 4 will display the number of set value for the function setting.
- 2. Shortly press the K1 button to adjust the value of SEG 1 & 2 to match the desired option number.



3. Shortly press the K2 button to adjust the value of SEG 3 & 4 to match the desired option number.



- 4. After setting the number values in SEG 1, 2, 3 & 4 for the function option you want to change. Press and hold the K2 button for 2 seconds or more to save.
- 5. All Segments will BLINK and begin tracking

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NOTE:

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- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting.
 Press K3 at any time to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks | | | | | | | |
|----------------|---------------|------|------|------|---|-------------------------------|--|---|--|--|---|---|-------------|----------------------------|
| | | | 0 | 0 | 44-48 (F) <mark>Default</mark> (A type PBA) | Target Evapo when lower te | | | | | | | | |
| Cooling | Main | 0 | 1 | | 0 | 1 | 41-44(F) <mark>Default</mark> (B type PBA) | Target Evaporator Temp (F) manual readings are when lower temperature value is set, discharge air of the indoor unit will decrease. | | | | | | |
| Correction | PCB | | | 0 | 2 | 48-51(F) | ⁼) ma lue is nit will | | | | | | | |
| | | | | | | | | | | | 0 | 3 | 50-53 (F) | nual r set, di decre |
| | | | | | | | | | | | | | | |
| | | | | | | 0 | 5 | 53-57(F) | | | | | | |
| | | | | 0 | 6 | 55-57 (F) | are(C) air Temp | | | | | | | |

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NOTE:

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- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting.
 Press K3 at any time to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks | | | | | | | | | | | |
|-----------------------|------------|--------------------------|------|------|------|-----------------------------------|---|-----------|---------------------------|------------------------------------|--|--|--|--|---|---|-----------|-------------------------------------|
| | | | | 0 | 0 | <mark>Default</mark> 435 (PSI) | | | | | | | | | | | | |
| | | | | 0 | 1 | 362 (PSI) | When | | | | | | | | | | | |
| | | Main & Sub 0 PCB 0 | | | | 0 | 2 | 377 (PSI) | Tarç low pr peratur | | | | | | | | | |
| | | | | 0 | 3 | 391 (PSI) | Target High Pressure (PSI) (When low pressure value is set, discharge temperature of indoor unit will decrease) | | | | | | | | | | | |
| Heating Correction | | | 2 | 0 | 4 | 406 (PSI) | ר Press value i door un | | | | | | | | | | | |
| | | | | | | | 0 | 5 | 420 (PSI) | sure (P is set, c iit will c | | | | | | | | |
| | | | | | | | | | | | | | | | 0 | 6 | 449 (PSI) | (PSI) et, dischar ill decreas |
| | | | | | | | | | | | | | | | | | 0 | 7 |
| | | | | 0 | 8 | 478 (PSI) | | | | | | | | | | | | |

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NOTE:

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- Press and hold K4 to restore to factory default settings.
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 Press K3 at any time to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---------------|------|------|------|------|------------------------------|--------------------|-----|---|---|--|--|---|---|-----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|-----|--------|
| | | | | 0 | 0 | 100% <mark>Default</mark> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | 1 | 95% | Ş | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | 2 | 90% | /hen r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0 | 3 | 85% | estrict pe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0 3 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 4 | 80% | ion op |
| Current | Main | | | | | 0 | 5 | 75% | otion is ance r | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Restriction | PCB | | | 0 | 6 | 70% | s set, o nay do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0 | 7 | 65% | When restriction option is set, cooling and heating performance may decrease. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0 | 8 | 60% | g and se. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 0 | 9 | 55% | heatir | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 1 | 0 | 50% | Ð | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | 1 | No restriction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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NOTE:

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- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting.
 Press K3 at any time to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks |
|-----------------------|---------------|------|------|------|------|-----------------------------------|--|
| Oil | Main | 0 | 4 | 0 | 0 | <mark>Default</mark> | _ |
| Collection | PCB | 0 | 4 | 0 | 1 | Shorten the Interval by 1/2 | |
| Temperature | | | | 0 | 0 | Default | Ap settii loca hum (nea rive |
| to trigger Defrost | Main PCB | 0 | 5 | 0 | 1 | High humidity | Apply this setting when installation location is in humid area. (near lakes, rivers etc.). |
| Outdoor Fan | Main & | 0 | 6 | 0 | 0 | Default | Chang settin increa spee maximu |
| Speed | | U | 6 | 0 | 1 | Increase fan speed | Changing this setting will increase fan speed to maximum value. |

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NOTE:

- Press and hold the K1 button to reset values to previous settings.
- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting.
 Press K3 at any time to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks | |
|----------------|---------------|------|------|------|------|----------------------------------|--|---|
| | | | 7 | 0 | 0 | Disabled <mark>Default</mark> | If enabled in AUTO this function will operate automatically (Cooling mode only) (MIM-B14) is needed to control night mode b contact for both heating and cooling. | |
| | | | | 0 | 1 | Level 1 / Auto | | |
| | | | | | 0 | 2 | Level 2 / Auto | l in AU matica is nee ct for b |
| | Main PCB | | | 0 | 3 | Level 3 / Auto | ITO th ally (Co eded t | |
| Silent mode | | | | 0 | 4 | Level 1 External contact | nabled in AUTO this function will ope automatically (Cooling mode only) -B14) is needed to control night moc contact for both heating and cooling. | |
| | | | | | 0 | 5 | Level 2 External Contact | on will o ode only I night m nd coolir |
| | | | | 0 | 6 | Level 3 External contact | perate /) node by ng. | |

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NOTE:

- Press and hold the • K1 button to reset values to previous settings.
- Press and hold K4 to • restore to factory default settings.
- Once you release K4 ٠ for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting. Press <mark>K3</mark> at any time • to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks | 18 |
|--|---------------|------|------|------|------|---|---|---------|
| | | | | 0 | 0 | Disabled <mark>Default</mark> | - | |
| | | | | 0 | 1 | Level 1 Type 1 Indoor lower than outdoor unit | When outdoor unit is located 131-262ft above indoor units. | |
| High-head condition | Main PCB | 0 | 8 | 0 | 2 | Unused | | |
| | | | | 0 | 3 | Type 2 Outdoor unit lower than indoor unit | When indoor units are over 98ft above the outdoor unit. | |
| | | | | 0 | 0 | Disabled <mark>Default</mark> | - | |
| Long –piping condition (cannot be set with high- head setting) | Main PCB | 0 | 9 | 0 | 1 | Level 1 | When equivalent length of farthest indoor unit from the outdoor unit is over 328ft. | |
| | | | | 0 | 2 | Unused | | SAMSUNG |

NOTE:

- Press and hold the K1 button to reset values to previous settings.
- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting.
 Press K3 at any time to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks |
|---------------------------|---------------|------|------|------|------|---------------------------------|--|
| | | | | 0 | 0 | Disable <mark>Default</mark> | |
| Energy savings mode | Main PCB | 1 | 0 | 0 | 1 | Energy saving mode | Energy saving triggers when the room temperature reaches desired set-point (Heating mode only). |
| | | | | 0 | 2 | Rapid Cooling | Increase cooling speed. |

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NOTE:

- Press and hold the K1 button to reset values to previous settings.
- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting.
 Press K3 at any time to exit.

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks | |
|---------------------|-------------|------|------|------|------|--|---|--|
| Unused | Main | 1 | 2 | - | - | Unused | - | |
| option | PCB | | - | - | - | Unused | - | |
| Channel | Main | n | 3 | A | U | Automatic <mark>Setting</mark> Default | Classifying product fror upper level controller DN S-net3 etc. | |
| address | PCB | 1 | 3 | 3 | 0 - | 15 | Manual setting | Classifying product from upper level controller DMS, S-net3 etc. |
| Snow accumulatio | | Main | | 0 | 0 | Enabled <mark>Default</mark> | Fan will tu on in low ambient temperatur even if system is n operating | |
| n control | PCB | 1 | 4 | 0 | 1 | Disabled | Fan will turn on in low ambient temperatures even if system is not operating. | |
| Unused option | Main PCB | 1 | 5 | - | - | Unused | - | |
| Unused option | Main PCB | 1 | 6 | - | - | Unused | - | |

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NOTE:

- Press and hold the • K1 button to reset values to previous settings.
- Press and hold K4 to • restore to factory default settings.
- Once you release K4 ٠ for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting. Press <mark>K3</mark> at any time • to exit

| Option item | Input unit | SEG1 | SEG2 | SEG3 | SEG4 | Function | Remarks | 21 |
|------------------------------|-------------|------|------|------|------|----------------------------------|---|-------|
| Unused option | Main PCB | 1 | 7 | - | - | Unused | - | |
| | | | | - | - | | | |
| | | | | 0 | 0 | Enabled <mark>Default</mark> | Restr capa whe sma | |
| Max. Capacity restriction | Main PCB | 1 | 8 | 0 | 1 | Disable | Restrict excessive capacity increase when operating small indoor unit capacity. | |
| | | | | 0 | 0 | Disabled <mark>Default</mark> | Whe detec pu o | |
| Gas leak Pump down | Main PCB | 1 | 9 | 0 | 1 | Enable | When gas leak is detected enter the pump down operation. | |
| Unused option | Main PCB | 2 | 0 | 0 | 0 | Unused | - | |
| | Main | 0 | | - | - | | | |
| Unused option | PCB | 2 | 1 | - | - | Unused | - | |
| | | | 1 | 1 | I | 1 | SN | MSUNG |

NOTE:

- Press and hold the K1 button to reset values to previous settings.
- Press and hold K4 to restore to factory default settings.
- Once you release K4 for factory default wait until the system resets and starts the tracking process. Then press and hold the K2 button to save the setting.
 Press K3 at any time to exit

| Option item | Input unit | SEG1 | SEG2 | SE03 | SEG4 | Function | Remarks |
|--|---------------|------|------|------|------|--------------------------------------|--|
| | | | | 0 | 0 | Disabled <mark>Default</mark> | Wher is pc cor er |
| Emergency operation indoor unit error | Main PCB | 2 | 2 | 0 | 1 | Indoor high humidity condition | When set operation is possible even if an indoor communication error occurs. |
| | | | | 0 | 2 | Indoor unit low humidity | ration 'en if lion 's. |
| Base heater | Main | 2 | 3 | 0 | 0 | Disabled <mark>Default</mark> | |
| Dase fieater | PCB | 2 | 5 | 0 | 1 | Enabled | - |
| | Main | | | - | - | | |
| Unused option | & Sub | 0 | 0 | - | - | Unused | - |
| | PCB | PCB | | - | - | | |

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UP Un-Prepared

Once all equipment is communicating and auto piping has successfully completed. UP will be displayed on the main PCB.

Before entering auto trial operation:

- All option settings should be made through the outdoor PCB and S-Net.
- Verify that the proper charge has been added and the service valves are fully open.

To enter Auto Trial Operation

- Press and hold K1 for 5 seconds.
- The display will change to "K""K".
- Once successfully completing Auto Trial the system will stop operation and the display will begin to scroll connected equipment addressing.



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View Mode - Key Operation

| K1 Control | Key operation | Display on segment |
|-------------------|---------------------------------|-------------------------|
| Press and Hold | Auto trial operation | "K" "K" "BLANK" "BLANK" |
| K1 No. of presses | Key Operation | Display on segment |
| 1 time | Refrigerant charging in Heating | "K" "1" "BLANK" "BLANK" |
| 2 times | Trial operation in Heating | "K" "2" "BLANK" "BLANK" |
| 3 times | Pump out in Heating | "K" "3" "BLANK" "1" |
| 4 times | Vacuuming | "K" "4" "BLANK" "1" |
| 5 times | End Key | - |

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| | View Mode - Key Operation | |
|-------------------|--|--|
| K2 No. of presses | Key operation | Display on segments |
| 1 time | Refrigerant charging in Cooling | "K" "5" "BLANK" "BLANK" |
| 2 times | Trial operating in Cooling | "K" "6" "BLANK" "BLANK" |
| 3 times | Pump down all units in Cooling | "K" "7" "BLANK" "BLANK" |
| 4 times | Automatic setting of operation mode (Cooling/Heating) for trial operation) | "K" "8" "BLANK" "BLANK" |
| 5 times | Refrigerant check mode | "K" "9" X-X |
| 6 times | Discharge made DC line voltage | "K" "A" "BLANK" "BLANK" |
| 7 times | Forced defrost | "K" "B" "BLANK" "BLANK" |
| 8 time | Forced oil return | "K" "C" "BLANK" "BLANK" |
| 9 times | Inverter compressor check | "K" "D" "BLANK" "BLANK" |
| 10 times | H/R: Piping check operation H/P not used | "K" "E" "BLANK" "BLANK" |
| 11 times | End Key operation | - |
| K3 No. of presses | Key operation | Display on segment |
| 1 time | Initialize (reset/exit) | "8" "8" "8" "8" "back to main display" |

4.

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