

Date: 10/25/2018

Subject: CAC Cooling Mode Reduced Fan Speed Option Setting

Models: AC0\*\*\*N\*DCH/AA Indoor Units

## Cooling Mode Reduced Fan Speed Option Setting

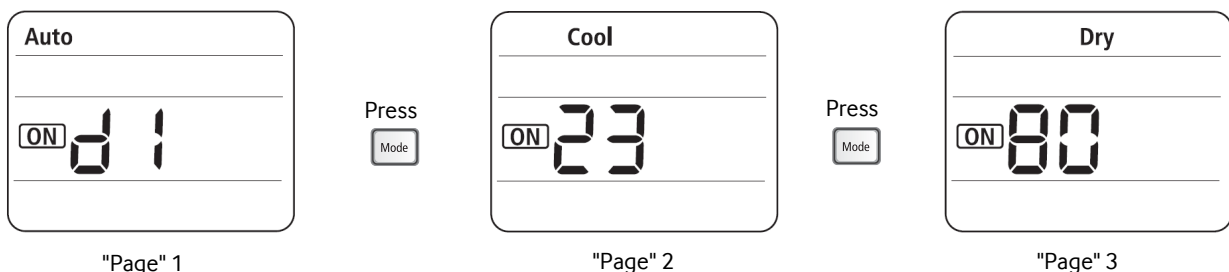
- Samsung CAC single zone systems (AC0\*\*MNH4DCH/AA, AC0\*\*NN4DCH/AA, AC0\*\*KN4DCH/AA, AC0\*\*KNLDCH/AA, AC0\*\*MNTDCH/AA, AC0\*\*MNADCH/AA) have an option to turn the fan to ultra low speed once set temperature has been reached (Thermo OFF) while in cooling mode.
- This option should only be enabled when sensing room temperature externally via wired controller or external temperature sensor (MRW-TA).
- Enabling this option requires adjusting the 24 segment factory option code. The technician must add 8 to the current value of segment 23 of factory option code (0→8, 1→9, 2→A, 3→B, 4→C, 5→D, 6→E, 7→F).
- Example: the factory option code for AC018NN4DCH/AA Wind-Free™ 4-way cassette is 0140EF-1950D8-27343B-370005. To enable the reduced fan operation option, the new option code will be 0140EF-1950D8-27343B-370085.
- Factory option codes are different for each indoor unit model number (model specific). This 24 segment code can be adjusted with a wired controller, wireless controller, or with SNET Pro 2 service software.

### Changing segment 23 with a wireless controller

When only enabling this feature (not entering the entire 24 segment code) on an indoor unit that has a wireless IR receiver, the single option setting feature can be used. Below are the steps required to only change segment 23 with a wireless controller. In the example below, segment 23 is "0" from the factory and is being changed to "8". Other models may vary. Please refer to pages 3 and 4 for the actual product option code for your model.

1. To enter service mode, remove the batteries and wait for the screen to go blank. While holding the temperature up and down buttons, replace the batteries.
2. Press the FAN DOWN button to adjust the segment on the left. Press FAN DOWN until the first segment on the screen is "d".
3. Press the FAN UP button to adjust the segment on the right. Press FAN UP once to make the left segment "1".
4. Press MODE to advance to the next page (noted by "Auto", "Cool", and "Dry").
5. Press the FAN DOWN button to adjust the segment on the left. Press FAN DOWN until the first segment on the screen is "2".
6. Press the FAN UP button to adjust the segment on the right. Press FAN UP to make the left segment "3".
7. Press MODE to advance to the next page (noted by "Auto", "Cool", and "Dry").
8. Press the FAN DOWN button to adjust the segment on the left. Press FAN DOWN until the first segment on the screen is "8".

#### Setting segment 23 of the indoor unit option code to "8"



9. Once the numbers shown above are entered into the controller, press the power button several times while pointing remote at the indoor unit.
10. Remove the batteries from the controller. After the controller display goes blank, replace the batteries and cover for normal operation.

## Option code programming with a wired controller

If a wired controller is connected, option code programming can be done via service mode. The example below explains how to modify an option code using MWR-WE13N. When using other wired controller models, refer to the wired controller installation manual for full indoor unit programming instructions.

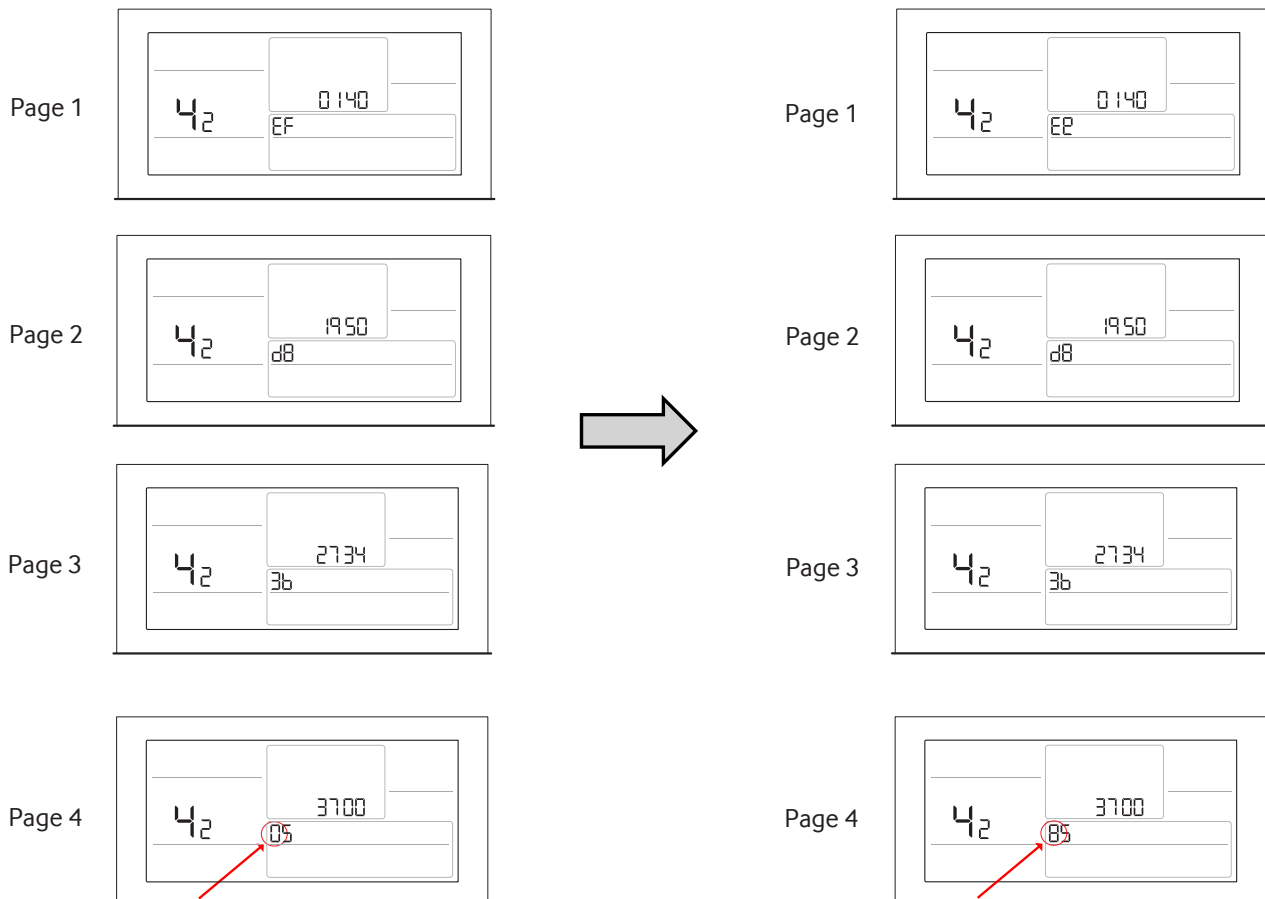
### Using MWR-WE13N premium wired controller

1. Hold SET and DELETE for 5 seconds to enter service settings mode.
2. Press the up arrow button, select Main Menu 4.
3. Press the right arrow button to advance.
4. Press the up arrow button to select sub menu 2.
5. Press the right arrow to advance.
6. Enter the option code into the data bit section using the up, down, and right arrow buttons. The up and down arrows will change the data bit that is flashing. To only change the 23rd segment to enable reduce fan operation in cool mode, press the right arrow until the 23rd segment is flashing. Press up until this segment is "8". Other models may require a different value for segment 8. Please refer to the product option code tables on pages 3 and 4.
7. Once entered, press SET to save.
8. Press ESC twice to exit the settings section.

### Example: AC018NN4DCH/AA indoor unit option code segment 23 change using MWR-WE13N

Standard option code

Option code with reduce fan operation enabled



**Indoor Unit Option Codes**

System Type	Model Number	Code Description	Option Code	
CAC Duct S	AC018MNHDC/AA	0" - 0.10" ESP (DEFAULT)	01B0EC-1E5411-27343B-374000	
		0" - 0.10" ESP, reduced fan in cooling mode	01B0EC-1E5411-27343B-374080	
		0.10" - 0.24" ESP	01B0EC-1E54AA-27343B-374000	
		0.10" - 0.24" ESP, reduced fan in cooling mode	01B0EC-1E54AA-27343B-374080	
		0.24" - 0.35" ESP	01B0EC-1E5933-27343B-374000	
		0.24" - 0.35" ESP, reduced fan in cooling mode	01B0EC-1E5933-27343B-374080	
		0.35" - 0.47" ESP	01B0EC-1E59CC-27343B-374000	
		0.35" - 0.47" ESP, reduced fan in cooling mode	01B0EC-1E59CC-27343B-374080	
		0.47" - 0.60" ESP	01B0EC-1E5E44-27343B-374000	
		0.47" - 0.60" ESP, reduced fan in cooling mode	01B0EC-1E5E44-27343B-374080	
	AC024MNHDC/AA	0" - 0.10" ESP (DEFAULT)	01B0EC-1E5407-274750-374020	
		0" - 0.10" ESP, reduced fan in cooling mode	01B0EC-1E5407-274750-3740A0	
		0.10" - 0.24" ESP	01B0EC-1E547B-274750-374020	
		0.10" - 0.24" ESP, reduced fan in cooling mode	01B0EC-1E547B-274750-3740A0	
		0.24" - 0.35" ESP	01B0EC-1E55D1-274750-374020	
		0.24" - 0.35" ESP, reduced fan in cooling mode	01B0EC-1E55D1-274750-3740A0	
		0.35" - 0.47" ESP	01B0EC-1E5937-274750-374020	
		0.35" - 0.47" ESP, reduced fan in cooling mode	01B0EC-1E5937-274750-3740A0	
		0.47" - 0.60" ESP	01B0EC-1E599D-274750-374020	
		0.47" - 0.60" ESP, reduced fan in cooling mode	01B0EC-1E599D-274750-3740A0	
		0.60" - 0.69" ESP	01B0EC-1E5AF3-274750-374020	
		0.60" - 0.69" ESP, reduced fan in cooling mode	01B0EC-1E5AF3-274750-3740A0	
		0.69" - 0.80" ESP	01B0EC-1E5E59-274750-374020	
		0.69" - 0.80" ESP, reduced fan in cooling mode	01B0EC-1E5E59-274750-3740A0	
	AC030MNHDC/AA	0.12" - 0.16" ESP (DEFAULT)	01B0EC-1E54B8-275A64-376020	
		0.12" - 0.16" ESP, reduced fan in cooling mode	01B0EC-1E54B8-275A64-3760A0	
		0.16" - 0.31" ESP	01B0EC-1E5920-275A64-376020	
		0.16" - 0.31" ESP, reduced fan in cooling mode	01B0EC-1E5920-275A64-3760A0	
		0.31" - 0.47" ESP	01B0EC-1E5997-275A64-376020	
		0.31" - 0.47" ESP, reduced fan in cooling mode	01B0EC-1E5997-275A64-3760A0	
		0.47" - 0.60" ESP	01B0EC-1E5D0E-275A64-376020	
		0.47" - 0.60" ESP, reduced fan in cooling mode	01B0EC-1E5D0E-275A64-3760A0	
		0.60" - 0.69" ESP	01B0EC-1E5E64-275A64-376020	
		0.60" - 0.69" ESP, reduced fan in cooling mode	01B0EC-1E5E64-275A64-3760A0	
		0.69" - 0.80" ESP	01B0EC-1E5ECA-275A64-376020	
		0.69" - 0.80" ESP, reduced fan in cooling mode	01B0EC-1E5ECA-275A64-3760A0	
		AC036MNHDC/AA	0.12" - 0.16" ESP (DEFAULT)	01B0EC-1E5403-276470-376045
			0.12" - 0.16" ESP, reduced fan in cooling mode	01B0EC-1E5403-276470-3760C5
	0.16" - 0.31" ESP		01B0EC-1E546A-276470-376045	
	0.16" - 0.31" ESP, reduced fan in cooling mode		01B0EC-1E546A-276470-3760C5	
	0.31" - 0.47" ESP		01B0EC-1E55D1-276470-376045	
	0.31" - 0.47" ESP, reduced fan in cooling mode		01B0EC-1E55D1-276470-3760C5	
	0.47" - 0.60" ESP		01B0EC-1E5926-276470-376045	
	0.47" - 0.60" ESP, reduced fan in cooling mode		01B0EC-1E5926-276470-3760C5	
	0.60" - 0.69" ESP		01B0EC-1E5959-276470-376045	
	0.60" - 0.69" ESP, reduced fan in cooling mode		01B0EC-1E5959-276470-3760C5	
	0.69" - 0.80" ESP		01B0EC-1E597B-276470-376045	
	0.69" - 0.80" ESP, reduced fan in cooling mode		01B0EC-1E597B-276470-3760C5	
	AC042MNHDC/AA		0.12" - 0.16" ESP (DEFAULT)	01B0EC-1E5424-277D8C-377045
			0.12" - 0.16" ESP, reduced fan in cooling mode	01B0EC-1E5424-277D8C-3770C5
		0.16" - 0.31" ESP	01B0EC-1E547B-277D8C-377045	
		0.16" - 0.31" ESP, reduced fan in cooling mode	01B0EC-1E547B-277D8C-3770C5	
		0.31" - 0.47" ESP	01B0EC-1E55E2-277D8C-377045	
		0.31" - 0.47" ESP, reduced fan in cooling mode	01B0EC-1E55E2-277D8C-3770C5	
		0.47" - 0.60" ESP	01B0EC-1E5937-277D8C-377045	
		0.47" - 0.60" ESP, reduced fan in cooling mode	01B0EC-1E5937-277D8C-3770C5	
		0.60" - 0.69" ESP	01B0EC-1E596A-277D8C-377045	
		0.60" - 0.69" ESP, reduced fan in cooling mode	01B0EC-1E596A-277D8C-3770C5	
		0.69" - 0.80" ESP	01B0EC-1E598C-277D8C-377045	
		0.69" - 0.80" ESP, reduced fan in cooling mode	01B0EC-1E598C-277D8C-3770C5	
		AC048MNHDC/AA	0.16" - 0.20" ESP (DEFAULT)	01B0EC-1E5468-278CA0-377045
			0.16" - 0.20" ESP, reduced fan in cooling mode	01B0EC-1E5468-278CA0-3770C5
	0.20" - 0.31" ESP		01B0EC-1E54AC-278CA0-377045	
	0.20" - 0.31" ESP, reduced fan in cooling mode		01B0EC-1E54AC-278CA0-3770C5	
	0.31" - 0.47" ESP		01B0EC-1E5913-278CA0-377045	
	0.31" - 0.47" ESP, reduced fan in cooling mode		01B0EC-1E5913-278CA0-3770C5	
	0.47" - 0.60" ESP		01B0EC-1E5948-278CA0-377045	
	0.47" - 0.60" ESP, reduced fan in cooling mode		01B0EC-1E5948-278CA0-3770C5	
	0.60" - 0.69" ESP		01B0EC-1E597B-278CA0-377045	
	0.60" - 0.69" ESP, reduced fan in cooling mode		01B0EC-1E597B-278CA0-3770C5	
	0.69" - 0.80" ESP	01B0EC-1E59AE-278CA0-377045		
	0.69" - 0.80" ESP, reduced fan in cooling mode	01B0EC-1E59AE-278CA0-3770A5		

**Indoor Unit Option Codes**

System Type	Model Number	Code Description	Option Code
Wind-Free™ 4-Way Cassette	AC018NN4DCH/AA	Standard program code (DEFAULT)	0140EF-1950D8-27343B-370005
		Reduced fan in cooling mode	0140EF-1950D8-27343B-370085
	AC024NN4DCH/AA	Standard program code (DEFAULT)	0140EF-1950D8-274750-370005
		Reduced fan in cooling mode	0140EF-1950D8-274750-370085
	AC030NN4DCH/AA	Standard program code (DEFAULT)	0140EF-1950E8-275A64-370045
		Reduced fan in cooling mode	0140EF-1950E8-275A64-3700C5
	AC036NN4DCH/AA	Standard program code (DEFAULT)	0140EF-195439-276470-370045
		Reduced fan in cooling mode	0140EF-195439-276470-3700C5
	AC042NN4DCH/AA	Standard program code (DEFAULT)	0140EF-19544A-277D8C-370045
		Reduced fan in cooling mode	0140EF-19544A-277D8C-3700C5
	AC048NN4DCH/AA	Standard program code (DEFAULT)	0140EF-19545B-278CA0-370045
		Reduced fan in cooling mode	0140EF-19545B-278CA0-3700C5
CAC Slim Duct	AC009KNLDCH/AA	0.098" ESP (DEFAULT)	01C06C-1C7933-271A21-370000
		0.098" ESP, reduced fan in cooling mode	01C06C-1C7933-271A21-370080
		0.157" ESP	01C06C-1C59CC-251A21-370000
		0.157" ESP, reduced fan in cooling mode	01C06C-1C59CC-251A21-370080
		0.197" ESP	01C06C-1C5AF0-251A21-370000
		0.197" ESP, reduced fan in cooling mode	01C06C-1C5AF0-251A21-370080
		0.236" ESP	01C06C-1C5E24-251A21-370000
		0.236" ESP, reduced fan in cooling mode	01C06C-1C5E24-251A21-370080
	AC012KNLDCH/AA	0.098" ESP (DEFAULT)	01C06C-1C7968-272328-370000
		0.098" ESP, reduced fan in cooling mode	01C06C-1C7968-272328-370080
		0.157" ESP	01C06C-1C5AF1-272328-370000
		0.157" ESP, reduced fan in cooling mode	01C06C-1C5AF1-272328-370080
		0.197" ESP	01C06C-1C5E24-272328-370000
		0.197" ESP, reduced fan in cooling mode	01C06C-1C5E24-272328-370080
		0.236" ESP	01C06C-1C5E47-272328-370000
		0.236" ESP, reduced fan in cooling mode	01C06C-1C5E47-272328-370080
	AC018KNLDCH/AA	0.098" ESP (DEFAULT)	01C06C-1C7944-27343C-370000
		.098" ESP, reduced fan in cooling mode	01C06C-1C7944-27343C-370080
		0.157" ESP	01C06C-1C5978-27343C-370000
		0.157" ESP, reduced fan in cooling mode	01C06C-1C5978-27343C-370080
		0.197" ESP	01C06C-1C59AB-27343C-370000
		0.197" ESP, reduced fan in cooling mode	01C06C-1C59AB-27343C-370080
		0.236" ESP	01C06C-1C59DF-27343C-370000
		0.236" ESP, reduced fan in cooling mode	01C06C-1C59DF-27343C-370080
Wall Mount	AC012MNADCH/AA	Standard program code (DEFAULT)	0100FC-19548C-272328-371708
		Reduced fan in cooling mode	0100FC-19548C-272328-371788
	AC018MNADCH/AA	Standard program code (DEFAULT)	0100FC-19548E-27343E-3C170D
		Reduced fan in cooling mode	0100FC-19548E-27343E-3C178D
	AC024MNADCH/AA	Standard program code (DEFAULT)	0100FC-19547F-274750-37170D
		Reduced fan in cooling mode	0100FC-19547F-274750-37178D
	AC030MNTDCH/AA	Standard program code (DEFAULT)	0110FC-193573-275A64-37770D
		Reduced fan in cooling mode	0110FC-193573-275A64-37778D
	AC036MNTDCH/AA	Standard program code (DEFAULT)	0110FC-194594-276470-39670D
		Reduced fan in cooling mode	0110FC-194594-276470-39678D
360 Cassette	AC018KN4DCH/AA	Standard program code (DEFAULT)	0100EF-1950D8-27343B-370005
		Reduced fan in cooling mode	0100EF-1950D8-27343B-370085
	AC024KN4DCH/AA	Standard program code (DEFAULT)	0100EF-1950D8-274750-370005
		Reduced fan in cooling mode	0100EF-1950D8-274750-370085
	AC030KN4DCH/AA	Standard program code (DEFAULT)	0100EF-19541A-275A64-370045
		Reduced fan in cooling mode	0100EF-19541A-275A64-3700C5
	AC036KN4DCH/AA	Standard program code (DEFAULT)	0100EF-19548C-276470-370045
		Reduced fan in cooling mode	0100EF-19548C-276470-3700C5
	AC042KN4DCH/AA	Standard program code (DEFAULT)	0100EF-19549D-277D8C-370045
		Reduced fan in cooling mode	0100EF-19549D-277D8C-3700C5
AC048KN4DCH/AA	Standard program code (DEFAULT)	0100EF-1954AF-278CA0-380045	
	Reduced fan in cooling mode	0100EF-1954AF-278CA0-3800C5	