SAMSUNG

SUBMITTAL MCR-SMD

Samsung MDS (Motion Detection Sensor) Kit

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

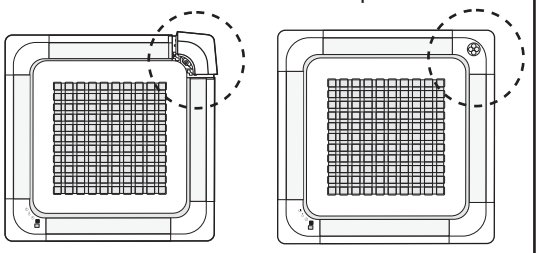
Unit Designation _____ Schedule # _____

Features



- MDS (Motion Detect Sensor) device for DVM S and FJM Series Wind-Free™ Mini 4-Way cassettes (AM0**NNNDCH/AA, AJ0**NBNDCH/AA) using fascia panel model numbers PC4SUFMAN or PC4SUFMUN.
- Installer defined ON/OFF timers (detailed in table)
- Different operation functions can be enabled
- MDS can be enabled and disabled at MWR-WE13N, MWR-WE13UN, MWR-SH11UN (applies to DVM S) or MWR-WE13, MWR-WE13U (applies to FJM) wired controllers (if present)
- Detects temperature stratification throughout room and will auto-adjust airflow and direction to reduce stratification
- MDS will learn occupancy patterns to reduce time duration between no motion and unit OFF functions to reduce operation times when not occupied

Installs in corner of fascia panel



Remove original corner and replace with MCR-SMD

Specifications

- Only compatible with AM0**NNNDCH/AA and AJ0**NBNDCH/AA indoor unit models
- Connection cable included
- Plugs into “human sensor” plug on PCB (CN401)
- Options are specified when programming the indoor unit(s)
- Installs in the Wind-Free™ 4-way cassette fascia panel.

Timer Options

Function Mode	Soft OFF	Hard OFF
	Minutes	
Standard	20	30
	40	60
	80	120
	120	180
Premium*	20	30
	40	60
	80	120
	120	180

OFF Function Description		
Soft OFF	Turns off indoor unit but can restart with motion detection before HARD OFF.	
	System:	OFF
	MDS:	ON
	Auto-ON:	ON
Hard OFF	Turns unit off but will not turn back on after motion is sensed. Unit will need to be manually powered ON.	
	System:	OFF
	MDS:	OFF
	Auto-ON:	OFF

*Premium mode Soft OFF and Hard OFF functions are the same as Standard mode. Premium mode enables Samsung Comfort Functions (details below).

Samsung Comfort Logics (activated in “Premium” mode)

- Direct Flow / Indirect Flow: MDS allows cassette to blow directly on occupants (Direct flow) or prevents the cassette from blowing directly on occupants (Indirect flow) by sensing occupants location and changing air flow direction.
- Comfort Temperature: When the temperature difference between the upper and lower parts of the room is high, the supply air louvers will adjust to reduce temperature differences
- Comfort Saving: When no motion is detected, MDS will adjust set temperature to reduce energy consumption (maximum +3.6º F in cooling, and -3.6º F in heating)

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