SAMSUNG

Samsung MDS (Motion Detection Sensor) Kit

Job Name _____   Location _____
Purchaser _____   Engineer _____
Submitted to _____   Reference _____ Approval _____ Construction
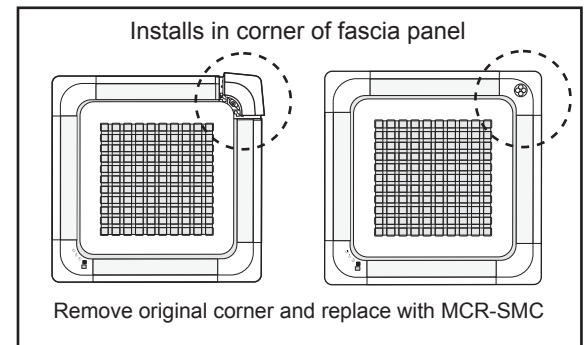Unit Designation _____   Schedule # _____

Features
- MDS (Motion Detect Sensor) device for DVM S and CAC Series Wind-Free™ 4-Way cassettes (AM0**NN4DCH/AA, AC0**NN4DCH/AA) using fascia panel model numbers PC4NUFMAN or PC4NUFMUN.

- 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, or MWR-SH11UN 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

Specifications
- Only compatible with AM0**NN4DCH/AA and AC0**NN4DCH/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.

Installs in corner of fascia panel

Remove original corner and replace with MCR-SMC

Timer Options

Function Mode	Soft OFF	Hard OFF		OFF Function Description	
	Minutes				
Standard	20	30	Soft OFF	Turns off indoor unit but can restart with motion detection before HARD OFF.	
	40	60		System:	OFF
	80	120		MDS:	ON
	120	180		Auto-ON:	ON
Premium*	20	30	Hard OFF	Turns unit off but will not turn back on after motion is sensed. Unit will need to be manually powered ON.	
	40	60		System:	OFF
	80	120		MDS:	OFF
	120	180		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)