

Job Name

Purchaser

Submitted to

Unit Designation

Location

Engineer

Reference

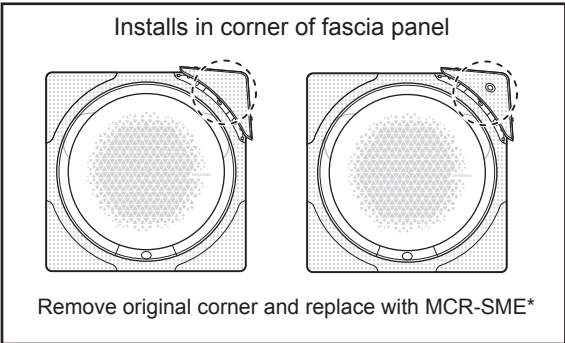
Approval

Construction

Schedule #

- Features
- MDS (Motion Detect Sensor) device for 360 cassette indoor units using fascia panel model numbers PC4NUDMAN or PC4NUDMUN (white "ceiling type" square panel).
  - Installer defined ON/OFF timers (detailed in table)
  - Different operation functions can be enabled
  - MDS can be enabled and disabled at MWR-WE13UN, MWR-SH11UN, MWR-WG00JN, or MWR-WG00UN wired controllers (if present) or central controllers.
  - 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
- Connection cable included
  - Plugs into "human sensor" plug on PCB (CN401)
  - Options are specified when programming the indoor unit(s)
  - Installs in the 360 cassette "ceiling type" square fascia panel (PC4NUDMAN, PC4NUDMUN only).



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 +3.6° F in cooling, and -3.6° F in heating)

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.