Date: 05/18/2017
Subject: DVM S 2nd Generation MCU Compatibility and Installation
Models: MCU-S1NEK1N, MCU-S2NEK2N, MCU-S4NEK3N, MCU-S6NEK2N, MCU-S6NEK3N, and MCU-R4NEK0N

DVM S Second Generation MCU (Mode Control Unit) Compatibility and Installation

As referenced in Technical Bulletin 2017-0003, please be advised with the introduction of the second generation of DVM S MCU's (Mode Control Unit), there have been many upgraded features, but also compatibility and installation changes.

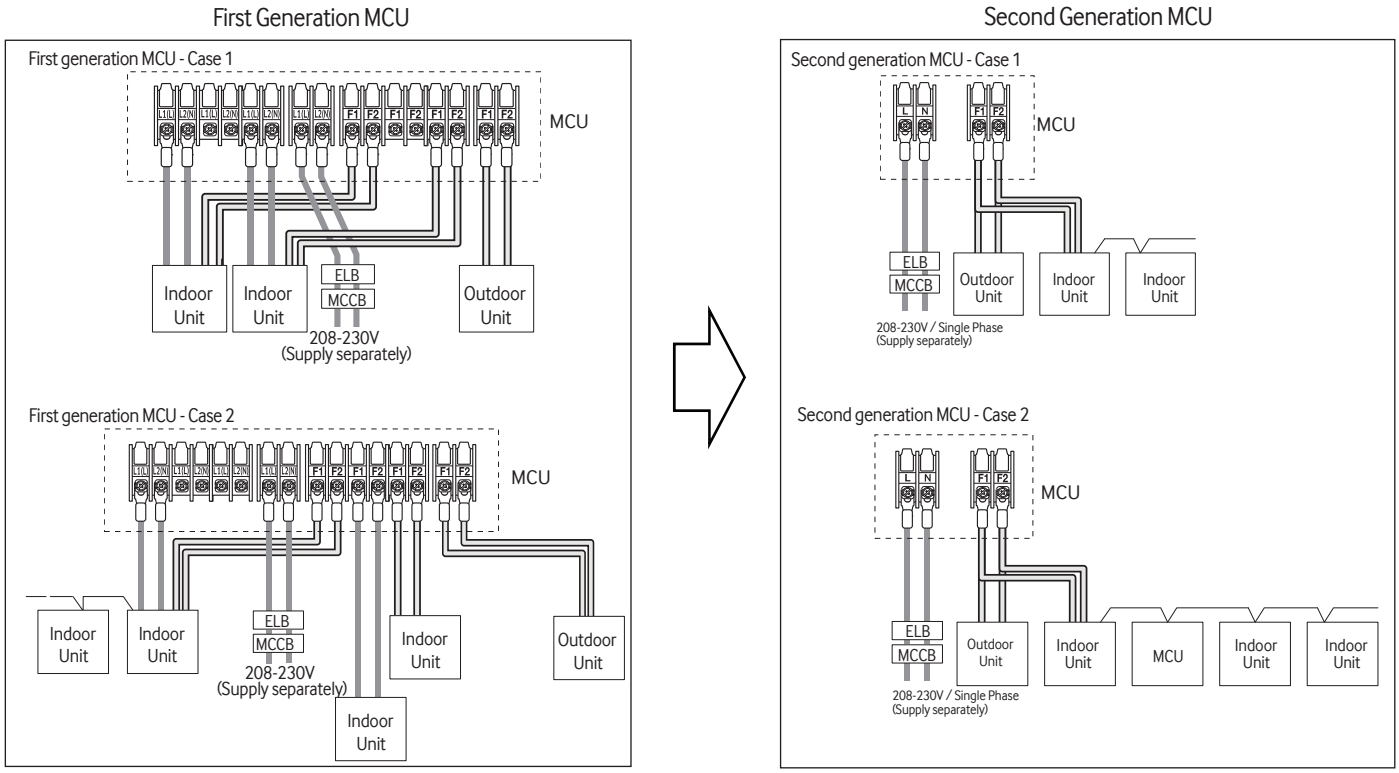
Second generation MCU models (MCU-S1NEK1N, MCU-S2NEK2N, MCU-S4NEK3N, MCU-S6NEK2N, MCU-R4NEK0N, MCU-S6NEK3N) should not be installed on the same DVM S system as with the first generation models (MCU-S2NEK1N,MCU-S4NEE1N, MCU-S4NEE2N, MCU-S6NEE1N). Various communication errors will occur and the system will not operate. **Please use DVM Pro for all system designs.**

With the introduction of the DVM Eco HR systems, the MCU-R4NEK0N (HR Changer) and MCU-S6NEK3N (small capacity MCU) were added to the lineup. ***The HR changer is only used on ECO HR systems.***

Also, below are some of the installation changes have been made with the introduction of the second generation MCU's. Refer to the proper installation manual for complete installation details.

- Communication and power terminal block has been modified and no longer supports multiple indoor unit connection. Communication wiring should be installed as referenced in the second generation installation manual (examples below).
- Pipe configuration and sizing has been modified
- MCU port addressing procedure has been simplified
- Allowable connected capacity for MCU's and ports has increased

Power and communication connection change comparison*



* Diagrams above are simple examples for reference only. Please refer to training materials and installation manuals for full details.