SERVICE INFORMATION LETTER (SIL)

Vision® /Skyline® EC Fan Controller Software Update Procedure

SIL Number: SIL-CAH-OAH-26-007
Date: February 20, 2026
Originator: Jason Becker, Technical Response Center
Supersedes: NONE

FOR INTERNAL AND EXTERNAL PURPOSE

The purpose of this SIL is to illustrate steps required to update the Vision Premium Controls Microtech 4 controller with application software 2506990xxx
Models: CAH, CAC, OAH, OAC

Tools required:

1. 3/64" (1 mm) Allen Key
2. Straight Slot screwdriver to open the control panel door
3. SD memory card no larger than 32GB formatted to FAT32 (Click Here to Purchase)

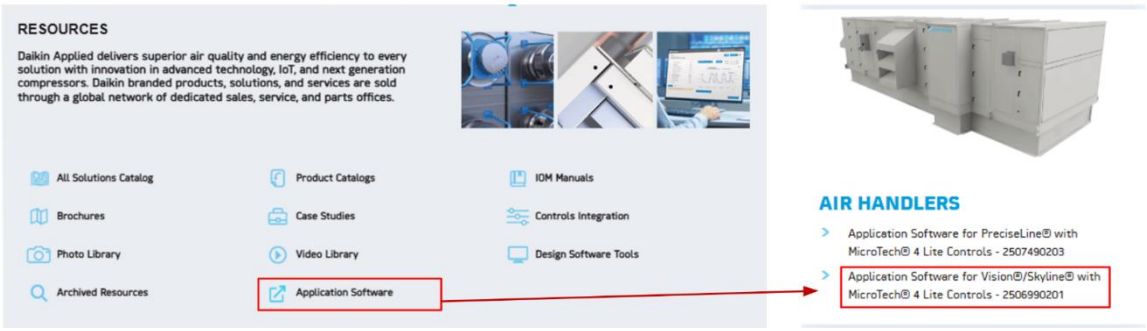
Notes:

- Follow all lock-out tag-out procedures to minimize risk to yourself and/or the equipment during this procedure.
- Always wear appropriate levels of PPE governed by the hazards which are present.
- At the time of this SIL's publication, the "Load to Card" and "Load from Card" functions are not available. Therefore, the controller must be manually recommissioned post software update
- To support post-update commissioning, it is recommended the field document all application unique controller settings prior to proceeding with this software update. Photos or written documentation of relevant menus should be collected from the **Commission Array Menus**.
- TRC recommends documenting the following settings (see Step 5 of this SIL for illustration):
    - 6363->Main Menu->Commission Array
        - Config Array Menu
            - Including applicable settings based on:
                - Control Method Selection
                - DSP SensSetup (if applicable)
                - CFM SenSetup (if applicable)
        - Config Fans
        - Array Set-up
    - Main Menu \ BMS Communications
        - BACnet IP Set-Up
        - BACnet MS/TP Set-Up

Step-by-step Procedure

Step 1: Preparing the SD card

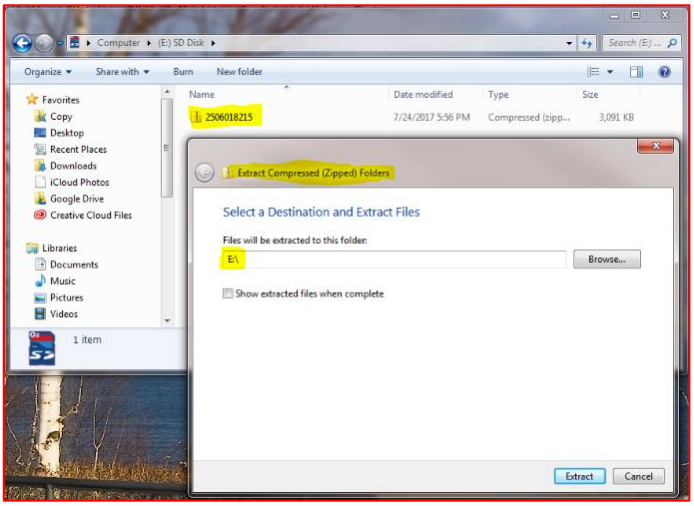
1. A brief instructional video to assist with this procedure is available at the following link
   - MicroTech 4 - 7. Loading New Software Code: Preparing the SD Card - Product Training Videos - Service
2. To download the software code files online, navigate to
   - http://www.daikinapplied.com
3. Click on the Resources Tab.
4. Then scroll down and click on Application Software



5. Scroll down to find the appropriate software version to download and save it to the Desktop
   - 2506990XXX Application Software for Vision/Skyline with Microtech 4 Controls

   Note: (XXX) changes as the software versions are revised for the respective product lines.
6. Drag the zip file to the freshly formatted SD card and extract it to the root directory of the SD card. The four update files shown in step 7 **cannot** be within a file folder. See the picture below as an example of where the zip file resides on the SD card (E:\) directory

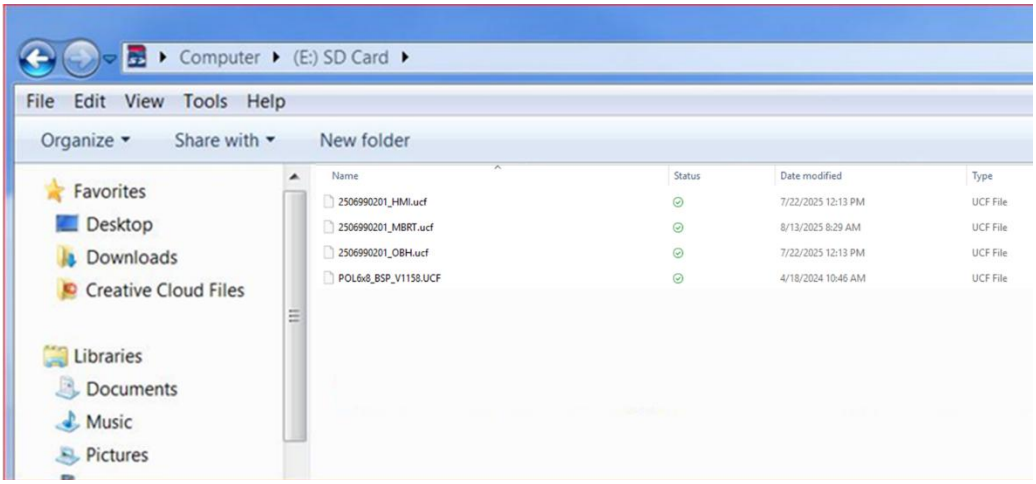
   Note: Every computer will have a different drive letter designation for the SD card. The root directory represents the first location that appears when opening the SD card, since the Microtech IV controller cannot see files from any folders. Zip file names would change as mentioned in step 3 once new software versions are released.



FOR QUESTIONS ABOUT THE PROCEDURE PLEASE CONTACT THE TECHNICAL RESPONSE TEAM AT: AAHTECHSUPPORT@DAIKINAPPLIED.COM OR 800.432.1342

7. Once all the files are extracted, there will be a total of 4-5 files appearing on the SD card. The total file count can change with new software revisions. The list below shows 4-5 critical files needed for a software download.
   - HMI.ucf
   - MBRT.ucf
   - OBH.ucf
   - POL6x8.UCF

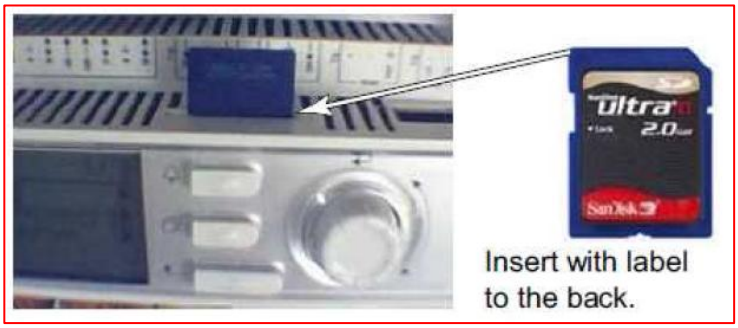
   Complete list of files, including all critical ones shown below

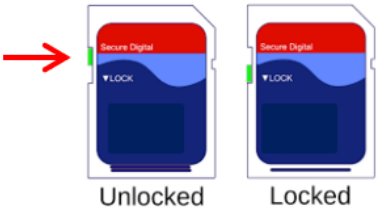


8. This completes the steps of preparing the SD card for the download. The SD card can now be inserted into the MT4 controller.

Step 2: Downloading Software to the Controller

1. A brief instructional video to assist with this procedure is available at the following link [MicroTech 4 - 9. Loading New Software Code: Updating Code - Product Training Videos - Service]
2. Enter the level 2 password 6363
3. From the Main Menu, **set the Control Mode to OFF**
4. Insert the SD memory card into the controller's memory card slot.
   - The label on the card should be facing to the rear, toward the controller



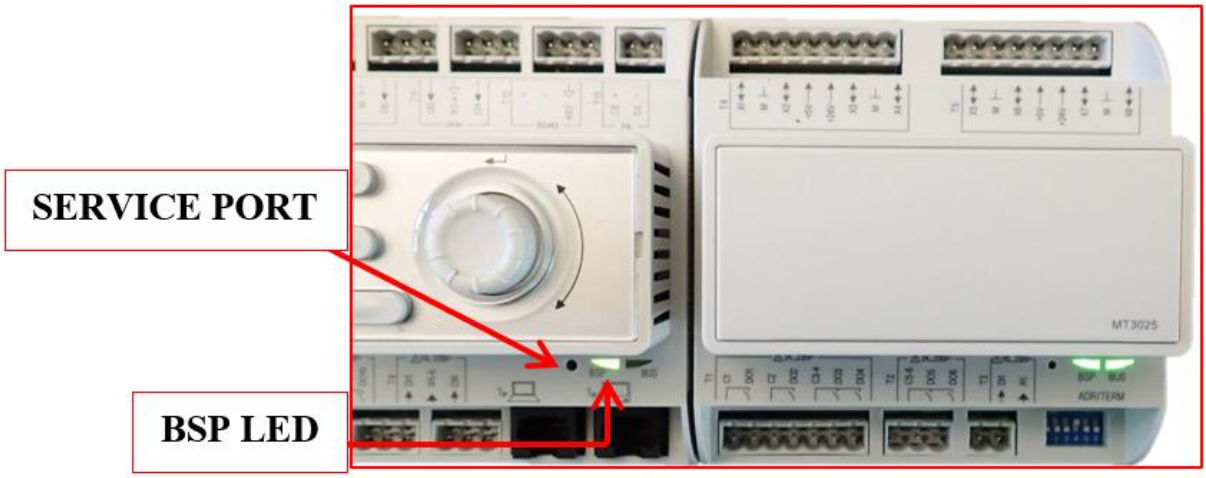


5. Power the controller off and wait 90 seconds

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6. **With power off, unplug the communication module wiring plug, if equipped, from the controller and the Modbus communication plug from the controller, before applying power to the MT4 controller**
7. Insert the end of the 3/64” Allen Key or similar tool in the service port on the controller and hold the service button depressed (the service button will “click” once depressed)

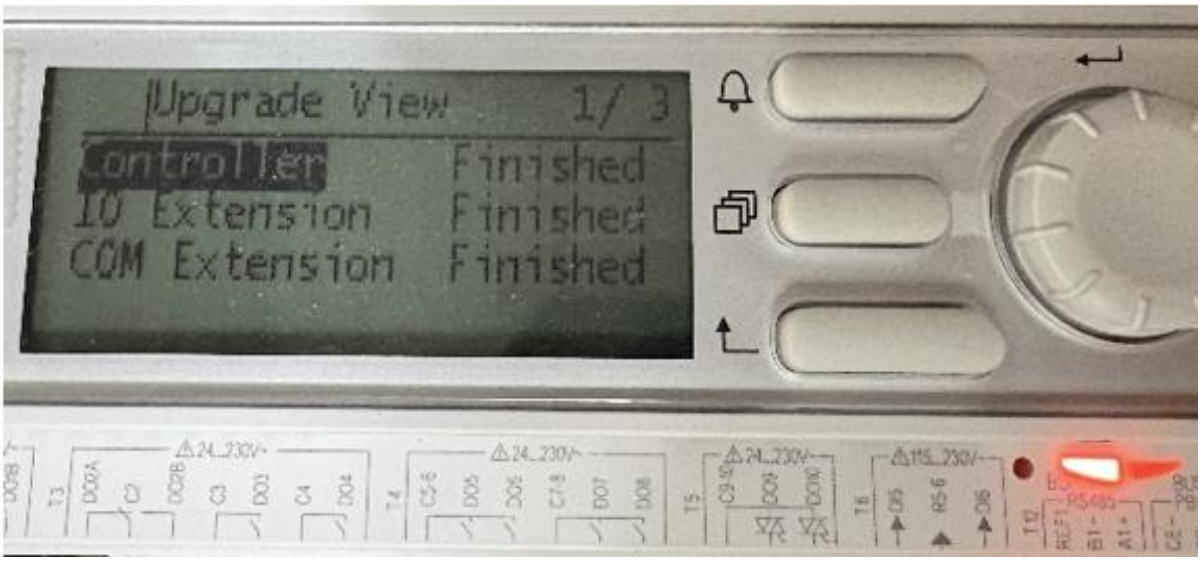


8. While holding the service button depressed, apply power to the controller
9. Continue depressing the service button and observe that the BSP LED begins to flash between red and green, and the upgrade view screen is displayed.
10. Release the service button after the flashing red/green sequence lasts for 3 or more cycles, or the view screen menu displays, and the controller upgrade status changes to active.

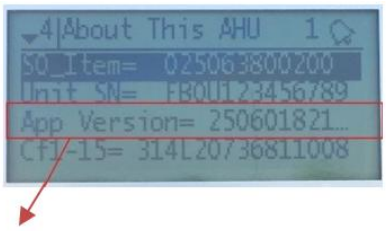


11. When the BSP LEDs have stopped flashing between red and green, ensure the BSP LED is amber
    - IF BSP LED is OFF, repeat the download process again after removing power from the controller for 90 seconds.

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12. Cycle power to the controller after a solid amber BSP LED is present, and all statuses are finished
13. From the Main Menu, scroll down to About this AHU and observe the APP version shows the save value as the zip file originally downloaded (2506990xxx).
14. If APP version appears as shown, you will need to repeat the steps above until APP version displays ALL 10 digits completely



App Version MUST display all 10 digits. If displayed as above, the software is corrupt and must be reloaded.

15. Power off the controller and reconnect:
    - The communication module wiring plug (if equipped)
    - The Modbus communication plug
16. Restore power to the MT4 controller

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Step 5: Manually Commission the Unit Controller

1. Configure the Config Array Menu
    - Navigate via 6363 passcode->Commission Array->Config Array
    - Configure the following per application
        - Control Method
        - DmdSrc
        - Fan Tracking (if applicable)
        - DSPSenSetup (if applicable)
        - CFMSenSetup (if applicable)
        - Fire En
        - IntLck En
        - Safety En
        - OnOff En
2. Configure the Config Fans Menu
    - Navigate via 6363 passcode->Commission Array->Config Fans
    - Configure the following settings
        - FanNumber
        - Fan Supplier
        - FanSize
        - Fan Voltage
        - Max RPM
    - NOTE: The above data can be referenced from the ECM fan motor nameplate and/or the unit submittal data
3. Configure the Array Set-Up Menu
    - Navigate via 6363 passcode->Commission Array->Array Set-Up Menu
        - Unit of Measure
        - Array Name
4. Configure the BMS Communications (if applicable)
    - Navigate via 6363 passcode->BMS Communications
        - ALL unique variables related to BACnet IP Set-Up

          OR
        - ALL unique variables related to BACnet MS/TP Set-Up
    - Reference ED 19122 Vision ECM Fan Controller for additional detail on BMS Communications.
5. Save Commissioning selections
    - Navigate via 6363 passcode->Commission Array->SaveCfg
    - Set SaveCfg = YES
    - NOTE: The MT4 may restart 2 times

Reference OM 1329 operations manuals for additional data related to MT4 setup and commissioning

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