



Ducted Systems Technical Services Service Tips Letter

Letter: **ST-006-2021**

Date: March 3, 2021

To: Ducted Systems (Factory Direct) S1 HVAC Branch Service, Sales, Warranty Managers
Ducted Systems (UPG/Applied) Distribution Service, Sales, Warranty Managers
BSNA Sales and Service Managers

Subject: **Software Release Bulletin (SRB) SSE 4.1.0.3**

Product: **Commercial Products with SSE Controls**

Effective: **January, 2021** Expires: **NA**

Summary: **This bulletin lists the changes made in the SSE v4.1.0.3 controller software**

The following are the changes as compared to the previous release v4.0.2.7.

1. Modulating HGR
 - a. Improved calculation of OprHGRTempSp (Operating HGR Temp Setpoint).
 - b. Modified condenser fan operation for low ambient conditions when using HGR.
 - c. Added trends for OprHGRTempSp (Operating HGR Temp Setpoint), OprEvapTempSp (Operating Evap Temp Setpoint), ModHGR (Modulating HGR), and EvapCoilTemp (Evaporator Coil Temp).
2. Improved proportional heating reverse acting functionality.
3. Improved hydronic heat operation in low ambient conditions when the SAT < HydH1SA-Sp and OprST > HtgOcc-Sp.
4. Improved operation for removal of thermostat call before min timer expiration.
5. Updated auto reset on the PID Tuning Reset point.
6. Changed default of Fan Off Delay for Heat to 120 seconds.
7. Added Heating Status to Status>Status menu.

Provisioning

Please note the following provisioning instructions when downloading this build (4.1.0.3) on an SSE system.

1. Only *4.1.0.3.secusb.pkg* alone must be used to provision both 4 MB and 8 MB UCBs.

The Norman production lines will not be phasing in this new software patch immediately, so implementation of 4.1.0.3 will have to be done manually. Confirming the software version that is installed on a Smart Equipment Control Board can be determined through the LCD Display manual navigation or through the MAP Gateway user interface via a smart device.

Instructions on how to upgrade units and the software files are posted on Offering's Catalog under Packaged & Split DX Systems | Light Commercial Controls | Smart Equipment Controls | Documents & Guides > Software Files with the software package **4.1.0.3.secusb.pkg** as well.

With the recent release of v4.0 in January 2020, which provided additional features, menu structures, and supported applications, it is still encouraged that customers update their Mobile Access Portal (MAP) Gateway tools to make Smart Equipment v4.0+ additions visible.

The MAP must already be on software version 5.0.0.922 to view the latest features. Instructions on how to upgrade the MAP Gateway can be found on Offering's Catalog under Packaged & Split DX Systems| Light Commercial Controls | Smart Equipment Controls | Documents & Guides > Software Files with the software package as well.

Please note, all v4.1.0.3 Smart Equipment Units that have been manually updated will remain compatible with Verasys and still require the BACnet communication cards to integrate. Please visit www.verasyscontrols.com for more information on Verasys.

Russ Carfagno
Director, Commercial Technical Services
Johnson Controls Ducted Systems
5005 York Drive, Norman OK 73069
Tel: 1-877-874-7378