CS Bulletin
Damper Actuator Alarm (A24/25)
Increasing alarm tolerance

2-Jun-14

To: Service Contractors responsible for PM Service and Repair

Subject: Increasing alarm tolerance for temperature differential

Background: **A24** and **A25** are damper actuator alarms for HVAC1 and HVAC 2, respectively. These are minor alarms added in later software revisions to make sure the damper is not stuck open or stuck closed. The damper actuator alarm works by accessing the temperature difference across the damper to make sure the damper closes and opens completely. Here are the two scenarios:

1. When the damper is completely open, the supply air temperature should be equal to the outside temperature within a tolerance.
2. When the damper is completely close, the supply air temperature should be equal to the inside temperature within a tolerance.

Factors such as opening shelter door may cause the temperature to exceed the tolerance and unnecessarily trigger this alarm. In some environments, it may be necessary to increase the alarm tolerance to avoid recurring nuisance alarms.

Instructions:

From the Main Menu (Room Temp will be displayed):

1. Press **Up** until the screen display $5\,E\,E$, then press **Down** and **Sel** <u>at the same time</u>.
2. If done correctly the screen should display 0, (otherwise return to the main menu and try again)
3. Change 0 to 3 and press **Sel**. The screen should display $5\,E\,P$. Press **UP** until you get to **FC3** and press **Sel**.
4. Change the default $3\,.\,6$ to 10 and press Sel.
5. Press **Up** for FC2 and press Sel. Change $3\,.\,6$ to 10 and press **Sel**