



**BY JOHNSON CONTROLS**

Unitary Product Group  
5005 York Drive  
Norman, OK 73069  
1/877-874-7378

## **TECHNICAL SERVICE**

**YS-047-09**

**DATE:** August 05, 2009

**TO:** All York Branches and Distributors  
All York Service Managers  
All Field Service Supervisors

**SUBJECT: Loss of Charge Protection – All THGD, GHGD & YHJD Heat Pumps**

We have received reports regarding nuisance low pressure switch trips in low ambient conditions when the heat pump is not operating.

Our testing has confirmed that at outdoor temperatures below 0°F, if the heat pump cycled off, the refrigerant pressure could drop below the 25 psi setting causing it to open and lockout the unit. As long as the unit continues operating, the refrigerant pressure does not drop below the 25 psi setting and no lockout occurs.

Effective with units produced after June 26, 2009 the pressure setting on the switch has been changed to 7 psi. Engineering has also set up a kit in Source 1 which contains the new 7 psi switch along with instructions for its installation. The kit part number is S1-37327896001. Source 1 should have the kits available for shipment around the first part of September.

This YS letter will allow a fix on fail for any units experiencing the issue noted above. Credit for the kit, along with a 1 hour labor credit at the dealer's registered DOA labor rate will be allowed. The new pressure switch will attach to the Schrader port on the liquid valve.

*Mark Freund*

Mark Freund  
Manager, Residential Field Service

*Jeff Nichols*

Jeff Nichols  
Director, Engineering & Advanced Technology  
Heat Pump Products