



A JOHNSON CONTROLS COMPANY

SB0065

206

File In: N/A

**ES SERVICE BULLETIN**

**Affected Equipment:** YPAL Rooftop Units - All Mod "C" & Mod "A" & "B " with Retrofit Smart Relay

**Subject:** Changeout of Ambient Thermostatic Switch

**Issue Date:** 02/28/06

**Withdrawal Date:** 06/30/06

**Data Control Level:** C

**Materials Needed:** Replacement Switch (see below)

**Tools Required:** Standard Service Hand Tools

**Estimated Time Required:** 1 hour plus travel

**Warranty:** Yes, Standard Warranty Policy Applies

**Revision Notes:** N/A

**GENERAL**

We recently became aware of a potential problem with the operation of the condenser fan thermostat on Mod C and all Mod A and B units that have been retrofitted with the smart relay.

As part of the retrofit and Mod C production, the ambient thermostat used to control the operation of the second condenser fan in each system was changed. The specified switch, Part Number 025-36346-001 has a value of 85° F +/- 5° F as the closed setting and 75° F +/- 5° F as the open setting. At the worse case scenario the ambient temperature could reach 89° F with two compressors operating before the second condenser fan would come on. If this were to happen the high pressure switch in the unit would open resulting in a "Sys (1, 2 or 3) Safety Trip" and after three trips a "Sys (1, 2, or 3) Sfty Lockout"

In order to correct this problem we have changed the Part Number of the switch to 025-36346-000. The revised switch has a value of 75° F +/- 5° F as the closed setting and 65° F +/- 5° F as the open setting. All Mod C units with a Serial Number prefix of RNPM and beyond will be built using the revise switch. All Mod D and E units will not have the above problem because they are manufactured with the new control that uses a thermistor for an ambient temperature input rather than a temperature switch.

**The tolerance of the closed setting determines if there will be a problem with the operation of the unit. Based on this fact, the corrective action should only be taken if the unit exhibits high-pressure faults when the ambient temperature is between 85 and 89° F.**

**SUBMITTING THE WARRANTY**

Claims for repairs must be made using the standard procedures. The "Problem Description" section of the warranty claim must contain a reference to Service Bulletin SB0065.

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a York Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a York Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that York International reserves the right to revise this information at any time. Be certain you are working with the latest information. The York Service office nearest you may be found on the Internet at [www.york.com](http://www.york.com).