



BY JOHNSON CONTROLS

# Service Information

File In/With:	All YPAL	SI0282	
		New	214
Equipment Affected:	All YPAL/Series 100 units All units Rev D, E, and F		
Low Ambient Shutdown/Lockout			

## GENERAL

During the winter of 2010, we discovered an issue with YPAL/Series 100 units installed in severely colder climates. The bottom end range of the temperature sensors was -20° F. During extremely cold conditions, a limited number of units experienced a shutdown when the OA temperature sensor was reading below -20° F. The unit controller thought the OA temp sensor had failed causing a fault to be recorded and ultimate unit shutdown.

As a result of the nuisance shutdowns we released a new version of software to resolve the issue. The latest version of software has the bottom end of the thermistor range at -51.2° F. Since this change was implemented, we have had no more issues with nuisance lockouts due to extremely cold outdoor temperatures.

Installing the latest version of software in the units will correct this issue.

Software Version C.ECO.01.09

- 50-105 ton Rev D
- 106-130 ton Rev E
- 70-105 ton Rev F
- 120-130 ton Rev F

Software Version C.LCR.02.03

- 50-61 ton Rev F

Since this was a very isolated issue in only a few locations, there is no warranty coverage for upgrading the software. This issue affects units built before July 27, 2011, serial numbers starting with 2FXM and earlier. To rectify the situation, install the latest version of software. Units not exposed to outside temperatures below -20° F do not need this software upgrade.

Please refer to SI0157 for instructions on how to download and then upgrade the software.

**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 Johnson Controls, 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 Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.