



BY JOHNSON CONTROLS

Service Information

File In/With: N/A

SI0246

New

1011

Equipment Affected: YVAA Air Cooled Chillers

Required Programming Changes During YVAA Commissioning, While On A Service Call Or When Replacing A Chiller Control Board

GENERAL

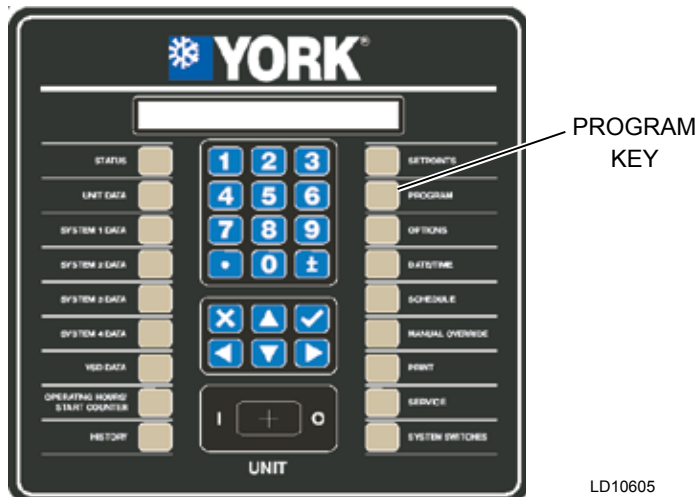
On YVAA chillers shipped before September 1, 2011, two changes will need to be programmed into the Micro Panel when commissioning a YVAA chiller or while on a service call. These changes are required to prevent nuisance EDUCTOR CLOG FAULT's due to small amounts of sensor error and variations in sensor location. These changes will also need to be made when a Chiller Control Board is replaced, since default values will automatically be stored into memory.

The changes will not affect the operation of the chiller or compromise the eductor safety. Testing has indicated that if the eductor circuit is not feeding properly due to a clogged filter, defective eductor or a closed valve, the temperature will rise well beyond the new programmed trip points.

PROCEDURE

Program the YVAA chiller as follows:

1. Press the PROGRAM key on the panel to enter the Program mode.



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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.

2. Scroll down through the program parameters using the UP ▲ and DOWN ▼ arrow keys until the EDUCTOR DIFFERENTIAL display appears.

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PROGRAM ◀DEF XXXXX LO XXXXX HI XXXXX
EDUCTOR DIFFERENTIAL = XXX.X °F
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3. The eductor differential will most likely be programmed for 5°F. Key in a new value of 15°F and press the ✓ key to store the new value into memory.
4. Scroll to the next display which is the EDUCTOR SAFETY TIME.

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PROGRAM ◀DEF XXXXX LO XXXXX HI XXXXX
EDUCTOR SAFETY TIME = XXXX MIN
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5. The eductor safety time will most likely be programmed for 10 minutes. Key in a new value of 30 MIN and press the ✓ key to store the new value into memory.
6. Press the STATUS key to leave the Program mode. The program changes have now been completed and stored into memory.