

Commercial Components Technical Bulletin

SUBJECT: Economizer Operation Test with C7400S Sensor and W7220A1000 Module	Ref. Number	
	Issue Date	1/17/13
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Suggested Model Number: W7220A	Date Codes Affected: 1301 and later	

The following steps will allow you to test the operation of the W7220 economizer when the outdoor air conditions (temperature and humidity) are too high for economizing:

1. Remove the C7250A dry bulb sensor from the OAT terminals IF you are using temperature only economizing change over.
2. If you are using enthalpy change over and have a C7400S sensor with a date code prior to 1301, remove the sensor and replace it with one with a date code after 1301.
 Note: There will be a sideways 2 following the part number on the label, the one shown below is a sideways 1.
3. Connect a C7400S Sylk bus sensor to the S-Bus terminals (brown colored) on the W7220A Jade using 18 AWG to 22 AWG solid or stranded wire.
4. Check the STATUS screen for actual outdoor air (OA) temperature and OA humidity readings.
5. Change the 3-position DIP switch on the C7400S sensor from OFF, OFF, OFF to the ON, ON, ON position and immediately back to OFF, OFF, OFF position.
6. The output of the C7400S sensor to the W7220A will be 40F and 40% RH which will allow the economizer to go into free cooling mode (economizing available).
7. Make sure you have 24 Vac on terminal Y1 In to simulate a call for cooling.
8. After 15 minutes the C7400S sensor will change back to the actual QA temperature and humidity.

Note: If you removed a dry bulb sensor, remove the C7400S from the S-bus terminals and replace the OAT sensor onto the OAT terminals.

