

Commercial Components Technical Bulletin

SUBJECT: Replacement of W7210Axxx with W7220A1000 (JADE)	Ref. Number	
	Issue Date	9/10/12
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Suggested Model Number: W7210	Date Codes Affected: N/A	

Step by step guide to assist you in successful replacement of the W7210 economizer with a W7220 JADE economizer controller:

1. Remove all wires from the W7210. Mark each wire with the terminal designation (e.g., 1,2,3,4, TR1, TR etc.) as it is removed from the W7210.

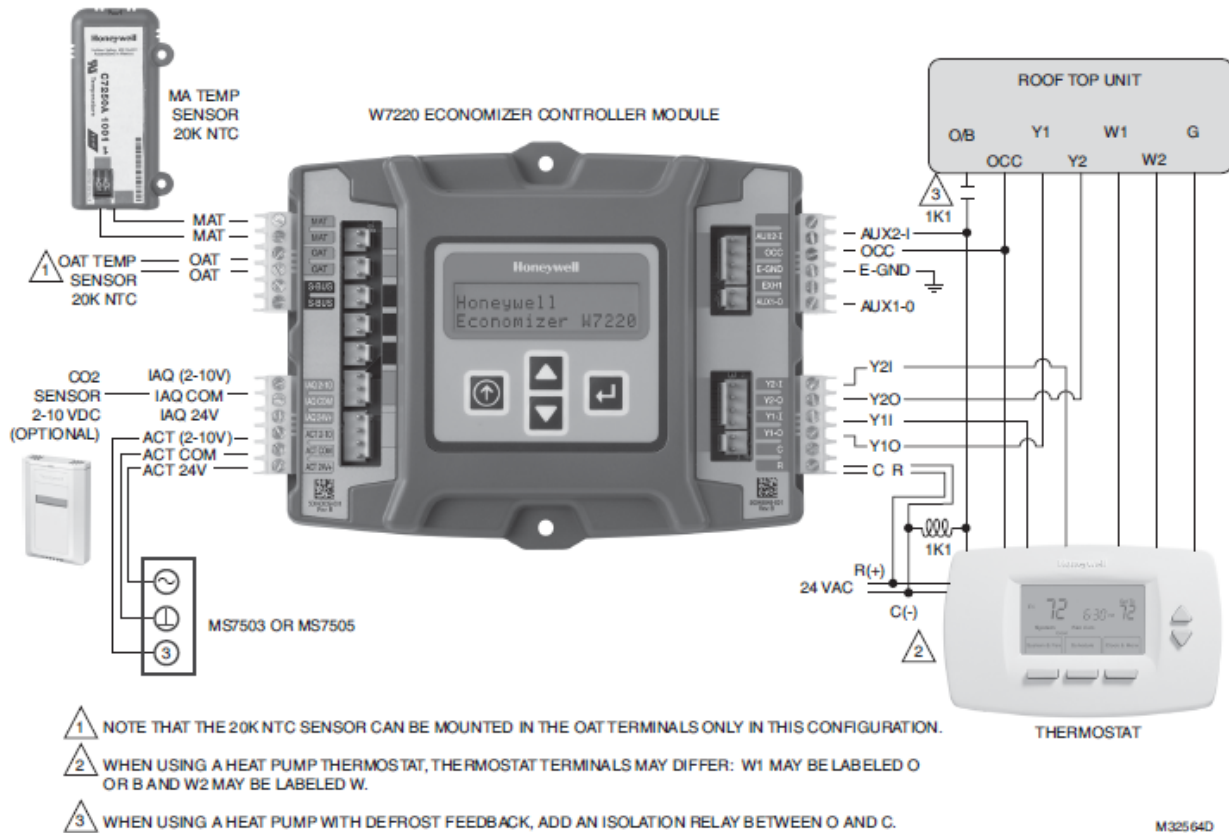
2. Mount Jade on the inside of the Rooftop unit where it will be easy to read the display and to change the settings.

3. Terminate wires removed from the W7210 to the Jade:

W7210 wire termination	W7220 wire termination
1	Y1-In
2	Y1-Out
3	Y2-In
4	Y2-Out
5	NA
TR	R
TR1	C
P-P1	NA
T-T1	MAT*
So-So+	OAT or S-Bus*
Sr-Sr+	S-Bus*
+	ACT (2-10V)
-	ACT COM
24 VAC HOT	ACT 24V

*Sensor to be changed

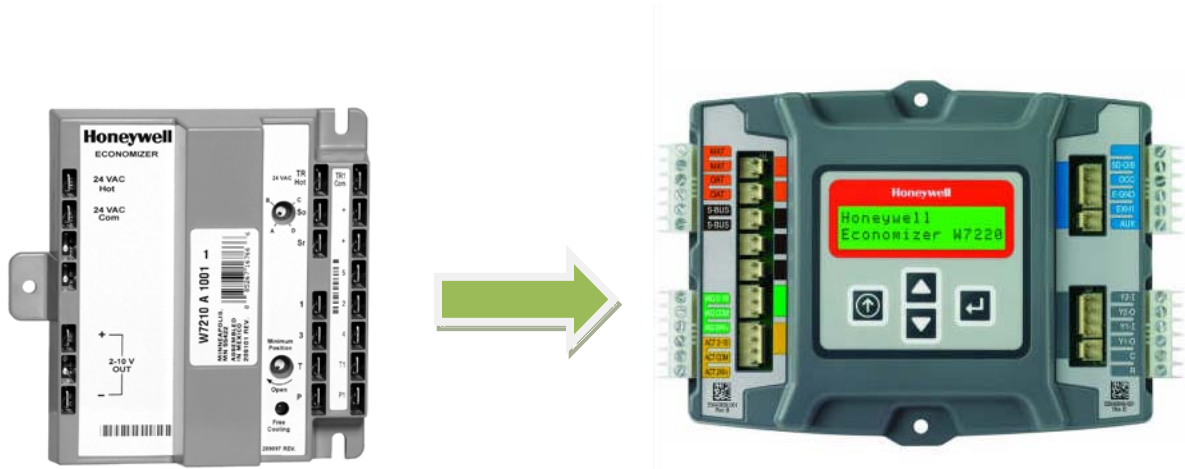
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Replace the old sensors with new JADE sensors:

Old Sensor	Description	New Sensor	Termination on W7220
C7046A	Discharge Air	C7400S1000	S-Bus
C7150B	Mixed Air	C7250A1001	MAT
C7400	Solid State Enthalpy	C7400S1000	S-Bus
C7660	Solid State Dry Bulb	C7250A1001	OAT

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There is no longer need for Minimum Position, DCV and Changeover Curve (A, B,C,D) potentiometers.

The changeover curve, CO2 boundaries and minimum position are set using the LCD display menu item "Setpoints" and the 4 buttons on JADE.

For programming Jade refer to the Installation Instructions (62-0331) supplied with the Jade