

# Johnson Controls

## T600 Programmable Commercial Thermostats Features Comparison

	Johnson Controls T600 Series	White Rodgers 1F93	Honeywell T7300 Series	Invensys 300 Series
<ul style="list-style-type: none"> <li>7 day programmable models</li> <li>2 or 4 events</li> </ul>	Intuitive, menu-driven programming  7 day, 2 or 4 events	Programming is more complex  7 day, 2 event only ?	Programming is more complex  7 day, 2 or 4 events	Programming is more complex  7 day, 2 or 4 events
<ul style="list-style-type: none"> <li>Automatic user help for day to day use and programming</li> </ul>	Yes Auto Help text is displayed to help and guide the user through the usage and programming of the thermostat	No	No	No
<ul style="list-style-type: none"> <li>Gas/oil or electric system compatibility for all type of applications</li> </ul>	Yes	Yes	Yes	Yes
<ul style="list-style-type: none"> <li>System mode lockout</li> </ul>	Yes, based on outside air temperature	No	No	No
<ul style="list-style-type: none"> <li>Automatic frost protection</li> </ul>	Yes	?	No	No
<ul style="list-style-type: none"> <li>Anti short cycle and minimum on/off run time protection</li> </ul>	Yes	Yes	Yes	Yes
<ul style="list-style-type: none"> <li>Auxiliary output</li> </ul>	Yes and is configurable N.O. or N.C.	Yes, but not configurable	Yes	Yes
<ul style="list-style-type: none"> <li>W3 terminal</li> </ul>	Not available	Yes	Yes on some models	No
<ul style="list-style-type: none"> <li>2 configurable digital inputs DI</li> </ul>	Yes <ul style="list-style-type: none"> <li>Filter alarm</li> <li>Service alarm</li> <li>Remote NSB ( non programmable models also )</li> <li>Remote override</li> </ul>	No	No	Yes <ul style="list-style-type: none"> <li>Filter alarm</li> <li>Service alarm</li> </ul>
<ul style="list-style-type: none"> <li>Available Economizer output</li> </ul>	Yes (0-10 V d.c.) with remote mixed air temperature sensor air sensor	No	No	No

<ul style="list-style-type: none"><li>• <b>Networkability</b></li></ul>	Yes, plug in design <ul style="list-style-type: none"><li>• Echelon</li><li>• N2 Johnson</li><li>• Future Bacnet</li></ul>	Yes <ul style="list-style-type: none"><li>• X10 with limited function</li></ul>	Yes <ul style="list-style-type: none"><li>• Thermostat is available with LonMark sub-base</li></ul>	Yes <ul style="list-style-type: none"><li>• Thermostat are available with proprietary network</li><li>• With N2 network support</li></ul>
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	<b>Johnson Controls T600 Series</b>	<b>White Rogers 1F93-180</b>	<b>Honeywell T7300 Series</b>	<b>Invensys 300 Series</b>
• <b>Filter reminder</b>	No, only status alarm via alarm input	Yes	No	No, only status alarm via alarm input
• <b>Optimized recovery</b>	Yes	Yes	Yes	Yes
• <b>Removable terminal blocks</b>	Yes	No, sub-base type connection	No, sub-base type connection	No, sub-base type connection
• <b>Multi/Stage Heatpump models combined</b>	No	Yes	One model only, all the others are dedicated models	No
• <b>PI time proportioning control algorithm</b>	Yes with better stability, resolution & control ( C.P.H. can be set )	No, still need to set anticipator value	Yes	Fuzzy logic?
• <b>Smart fan mode</b> - Occupied = On - Unoccupied = Auto	Yes	Yes	Yes	Yes
• <b>Special events</b>	Yes	Yes	Yes	Yes
• <b>Temporary overrides</b>	Yes	Yes	Yes	Yes
• <b>Unique configuration key &amp; Menu</b>	Yes, makes for easy configuration	No, complex configuration	No, complex configuration	No
• <b>Lockable keypad</b>	Yes	Yes	Yes	Yes
• <b>Freeze protection</b>	Yes	?	No	No
• <b>Remote room and outdoor temperature sensing</b>	Yes up to 3 average room sensor  Remote sensors are auto-detected. There is no configuration needed	Price of the remote digital sensors ?  Thermostat needs to configured for remote sensing	Thermostat needs to configured for remote sensing	Price of the remote digital sensors ?
• <b>Available Economizer output (0-10 V d.c.) with remote mixed air temperature sensor air sensor</b>	Yes	No	No	No
• <b>Low / High adjustable balance point</b>	Yes	No	No	Yes