Zone sensors
Millions of people find comfort here
Over half the buildings in North America count on Trane equipment for total occupant comfort and productivity. At the center of it all is the complete family of Trane sensors featuring wired and wireless models dedicated to providing the accurate, reliable sensing that is critical to keeping HVAC systems running at optimum levels.

This family of sensors has been developed to provide ready solutions to every application; From executive suites to cafeterias and from classrooms to retail stores. Trane has the sensor to provide the perfect level of occupant control.

It’s time to cut the cord and go wireless
The time for wireless technology is now. Trane wireless technology is perfect for new construction, remodels and retrofits. No wires means no worries. Imagine the savings to be made in money and time when you eliminate the cost of wiring schematics, conduit, running wires and much more. With wireless sensors you simply put them where you want them and move on. And when space configurations change you change the sensor position to fit the need. It’s that easy.

Wireless temperature sensor (WTS)

*Effective monitoring:* The wireless temperature sensor (WTS) is ideal for environments where occupants are not allowed any local control of the occupied space. Ideal for classrooms, lecture halls, restaurants and retail stores.

Wireless zone sensor (WZS)

*Economical control:* The WZS allows occupants limited local control of temperature settings and the ability to override the system’s settings at any given time as space becomes occupied or unoccupied. Ideal for office spaces and classrooms.

Wireless display sensor (WDS)

*Total comfort at your fingertips:* The newest member of the Trane family is the wireless display sensor (WDS). This state-of-the-art, configurable sensor gives occupants total control over their environment, along with a display that quickly conveys current space conditions and operating modes. Ideal for executive office suites or any place where total comfort should be in the hands of the occupant. The intuitive display makes it easy to adjust any setting.
Wireless zone sensors

Trane sensors are integral to the performance of a Trane building controls system throughout the building lifecycle. Trane wireless sensors take advantage of advanced technology to overcome installation obstacles of time and cost and minimal ongoing maintenance. Count on Trane to keep the building running as well as it did at initial commissioning year after year.

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td></td>
</tr>
<tr>
<td>Reduces installation time and expense</td>
<td>Reduces project expense and risk</td>
</tr>
<tr>
<td>Location flexibility</td>
<td>Reduces life cycle costs due to:</td>
</tr>
<tr>
<td>• The ease of optimal mounting</td>
<td></td>
</tr>
<tr>
<td>• Improved aesthetics</td>
<td></td>
</tr>
<tr>
<td>• Comfort for higher productivity and ROI</td>
<td></td>
</tr>
<tr>
<td>Reliable operation</td>
<td>Minimal operation expenses, increased up-time, and increased ROI</td>
</tr>
<tr>
<td>WDS</td>
<td></td>
</tr>
<tr>
<td>Easy-to-use interface</td>
<td>Clear and simple monitoring and control</td>
</tr>
<tr>
<td>Universal configurations</td>
<td>Can be configured for any Trane system and customer preference</td>
</tr>
<tr>
<td>WTS</td>
<td></td>
</tr>
<tr>
<td>Simplicity</td>
<td>Eliminates local temperature control when higher control level is required</td>
</tr>
<tr>
<td>WZS</td>
<td></td>
</tr>
<tr>
<td>Local control</td>
<td>Provides limited occupant temperature control and timed occupancy overrides</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model description</th>
<th>Part number</th>
<th>Global parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal display (WDS)</td>
<td>X1379082201</td>
<td>SEN01428</td>
</tr>
<tr>
<td>Temperature-only (WTS)</td>
<td>X13790821</td>
<td>SEN01427</td>
</tr>
<tr>
<td>°F Setpoint/override (WZS)</td>
<td>X13790492</td>
<td>SEN01364</td>
</tr>
<tr>
<td>°C Setpoint/override (WZS)</td>
<td>X13790494</td>
<td>SEN01366</td>
</tr>
<tr>
<td>Receiver</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100mW (milliwatt) 16 channel (North America)</td>
<td>X13790854</td>
<td>SEN01544</td>
</tr>
<tr>
<td>Sensor/receiver sets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal display (WDS)</td>
<td>X1379082401</td>
<td>SEN01430</td>
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<tr>
<td>Temperature-only (WTS)</td>
<td>X1379082301</td>
<td>SEN01429</td>
</tr>
<tr>
<td>°F Setpoint/override (WZS)</td>
<td>X13790496</td>
<td>SEN01367</td>
</tr>
<tr>
<td>°C Setpoint/override (WZS)</td>
<td>X13790498</td>
<td>SEN01368</td>
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</table>

Combination zone sensor

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two sensors in one enclosure</td>
<td>Reduces installation costs and improves building aesthetics</td>
</tr>
<tr>
<td>High accuracy</td>
<td>Reduces energy costs and improves environmental control and comfort</td>
</tr>
<tr>
<td>Maintenance-free design</td>
<td>Reduces field calibration and maintenance costs</td>
</tr>
<tr>
<td>Polymer capacitive element</td>
<td>Superb recovery from saturation reduces maintenance and downtime</td>
</tr>
<tr>
<td>Trane wall enclosure</td>
<td>Consistent enclosure design improves building aesthetics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model description</th>
<th>Part number</th>
<th>BAYSENS</th>
<th>Global parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor</td>
<td>3% relative humidity and temperature</td>
<td>X1379044401</td>
<td>BAYSENS036A</td>
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</table>

CO₂ zone sensor

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>High accuracy</td>
<td>Reduces energy costs and improves environmental quality</td>
</tr>
<tr>
<td>0–2000 ppm range</td>
<td>Effectively control CO₂ levels for optimized energy efficiency and air quality</td>
</tr>
<tr>
<td>Multiple outputs (0–10VDC or 4–20 mA)</td>
<td>Flexible for use with a wide range of Trane direct digital control (DDC)</td>
</tr>
<tr>
<td>Automatic self-diagnostics</td>
<td>Diagnostic tools are built-in for minimized troubleshooting expenses</td>
</tr>
<tr>
<td>Maintenance-free design</td>
<td>Auto-calibration and reduced maintenance costs</td>
</tr>
<tr>
<td>Trane wall enclosure</td>
<td>Consistent enclosure designs for improved aesthetics</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Model description</th>
<th>Part number</th>
<th>BAYSENS</th>
<th>Global parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor</td>
<td>CO₂</td>
<td>X13790422010</td>
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</table>
Service to sustain
Reliable and intelligent Trane technology is just the start. The demands for occupant comfort, energy efficiency, environmental responsibility, and regulatory compliance are high today and will continue to increase, placing additional pressure on building professionals well into the future. Ongoing high performance is sustainable only through expert service. Trane Building Services offer facility managers a full range of options including parts, maintenance contracts, energy audits and retrofits.

Wired zone sensors

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature setpoint control</td>
<td>Allows the tenant to choose a temperature setpoint that satisfies their personal preference</td>
</tr>
<tr>
<td>Fan and switch system</td>
<td>Allows the tenant to locally control the operating mode and fan speed to better satisfy their preference</td>
</tr>
<tr>
<td>Occupancy override</td>
<td>Allows the tenant to request temporary timed override system operation that permits the building conditions to remain in occupied comfort conditions</td>
</tr>
<tr>
<td>COMM Module (optional)</td>
<td>Compatible with all Trane wired temperature sensors. This optional accessory provides local RJ22 connection to Trane service tools for easy, low cost maintenance</td>
</tr>
<tr>
<td>Hot/cold thumbwheel (optional)</td>
<td>Allows the tenant to choose a temperature setpoint relative to their zone of comfort as opposed to exact numbers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Part number</th>
<th>BAYSENS</th>
<th>Global</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setpoint Fan System Occupancy LED</td>
<td>Part number</td>
<td>BAYSENS</td>
<td>Global</td>
</tr>
<tr>
<td>Single N/A N/A N/A N/A N/A N/A N/A</td>
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<td>BAYSENS074A</td>
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<td>N/A N/A N/A N/A N/A N/A N/A N/A</td>
<td>X1351152801</td>
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<tr>
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<td>Single Off/Run N/A N/A N/A N/A N/A</td>
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<td>Single Off/Auto/Low/High N/A N/A N/A</td>
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<td>Single Off/Auto/Low/Med/High N/A N/A</td>
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<td>Single Off/Auto/Low/Med/High N/A N/A</td>
<td>X1379084201</td>
<td>N/A</td>
<td>SEN01518</td>
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<tr>
<td>Dual Auto/High Cool/Off/Auto/Heat/EH N/A N/A N/A</td>
<td>X1379084701</td>
<td>BAYSENS109A</td>
<td>SEN01523</td>
</tr>
<tr>
<td>Single Auto/High Cool/Off/Auto/Heat/EH N/A N/A N/A</td>
<td>X1379085201</td>
<td>BAYSENS107A</td>
<td>SEN01526</td>
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<tr>
<td>Dual Auto/High Cool/Off/Auto/Heat N/A N/A N/A N/A</td>
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<td>BAYSENS108A</td>
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<td>BAYSENS110A</td>
<td>SEN01522</td>
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<td>X1379083901</td>
<td>BAYSENS106A</td>
<td>SEN01515</td>
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<td>Single Low/High Cool/Off/Auto/Fan N/A N/A N/A N/A N/A</td>
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<td>N/A</td>
<td>SEN01526</td>
</tr>
</tbody>
</table>

Temperature sensor with LCD display is preconfigured with single setpoint and occupancy enabled and is also field configurable

<table>
<thead>
<tr>
<th>Description</th>
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<th>BAYSENS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>COMM Module (box of 12)</td>
<td>X1365146702</td>
<td>BAYCOMM005A</td>
<td>CON01313</td>
</tr>
<tr>
<td>Thumbwheel, hot/cold (box of 12)</td>
<td>X1316105702</td>
<td>N/A</td>
<td>KB00182</td>
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</tbody>
</table>

Ingersoll Rand (NYSE:IR) is a world leader in creating and sustaining safe, comfortable and efficient environments in commercial, residential and industrial markets. Our people and our family of brands—including Club Car®, Hussmann®, Ingersoll Rand®, Schlage®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings, transport and protect food and perishables, secure homes and commercial properties, and increase industrial productivity and efficiency. We are a $13 billion global business committed to sustainable business practices within our company and for our customers.

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