



TRANE®

Light Commercial Integrated Comfort™ System

Smart Rooftops, Smart Controls, Smart Choice

Comfort



in Every Zone



The Trane Light

Smart Rooftops

Comfort Starts at the Source

Comfort starts with the Trane Light Commercial Packaged Rooftop Line. These impressive products carry the Trane reputation for **quality** and **reliability**, while offering loads of options, including microprocessor controls.

The Trane Light Commercial Packaged Rooftop line features:

- **Precedent™** 3 - 10 tons
- **Voyager™** 12½ - 25 tons

These products provide tight, accurate space temperature control when paired with VariTrac™ and Tracker™ system controls.



Smart Controls

Simple but Sophisticated Control

While the **Tracker** system is amazingly simple to install and operate, it easily handles complex control functions.

With Tracker, you have a single location to:

- Set and change all temperatures
- Maintain schedules for each day of the week or year (including holidays)
- Monitor and supervise multiple rooftops and zoning systems
- Monitor HVAC system alarms and/or diagnostic messages and have those reported directly to you
- Monitor your building from a distance with Tracker's internal built-in modem and PC software.
- Control fans and lights using remote add-on modules to receive inputs and control outputs



Smart Choice

Outstanding Comfort

Trane created the Light Commercial Integrated Comfort™ System to give customers the best in light commercial building management.

Voyager, Precedent, Tracker, and VariTrac zoning **work** with individual sensors to **intelligently** manage temperature and control air volume. No more baking in some areas, while freezing in others.

- **Energy Efficiency**

Zoning and scheduling save money and energy by reducing equipment runtime, and allow the use of smaller capacity units.

- **Easy Installation and Operation**

The system automatically configures at start up, begins to provide comfort, and awaits the customer's own schedule.

- **Indoor Air Quality**

By monitoring indoor air quality with Trane CO₂ sensors and adjusting the intake of fresh air, Trane ensures superb ventilation. Trane Light Commercial ICS lets building occupants breathe easier.

Get a total light commercial comfort system that's easy, efficient, and economic from one reputable source. The Trane Integrated Comfort System is the all around smart choice from a company known for quality and reliability.

It's hard to stop a Trane.®

Commercial Integrated Comfort™ System . . .

. . . Zoning for Comfort

Zoning with Multiple Units

The multiple HVAC unit method of zoning gives each zone access to an individual unit and sensor.

Zones are usually configured by floor, wing, or by departments with similar environment control needs.

Tracker provides superior zone control over multiple conventional programmable thermostats.

Airside Zoning

One unit, multiple thermostats – that's airside zoning.

Airside zoning provides multiple zone control using a single HVAC unit and multiple zone dampers. An individual space sensor controls each damper, or group of dampers.

By combining sensors, dampers, and a VariTrac Central Control Panel, the VariTrac system provides individual temperature and air volume control to multiple zones from a single HVAC unit.

Through constant monitoring of zones, the VariTrac system maintains optimum comfort, ventilation, and energy efficiency.

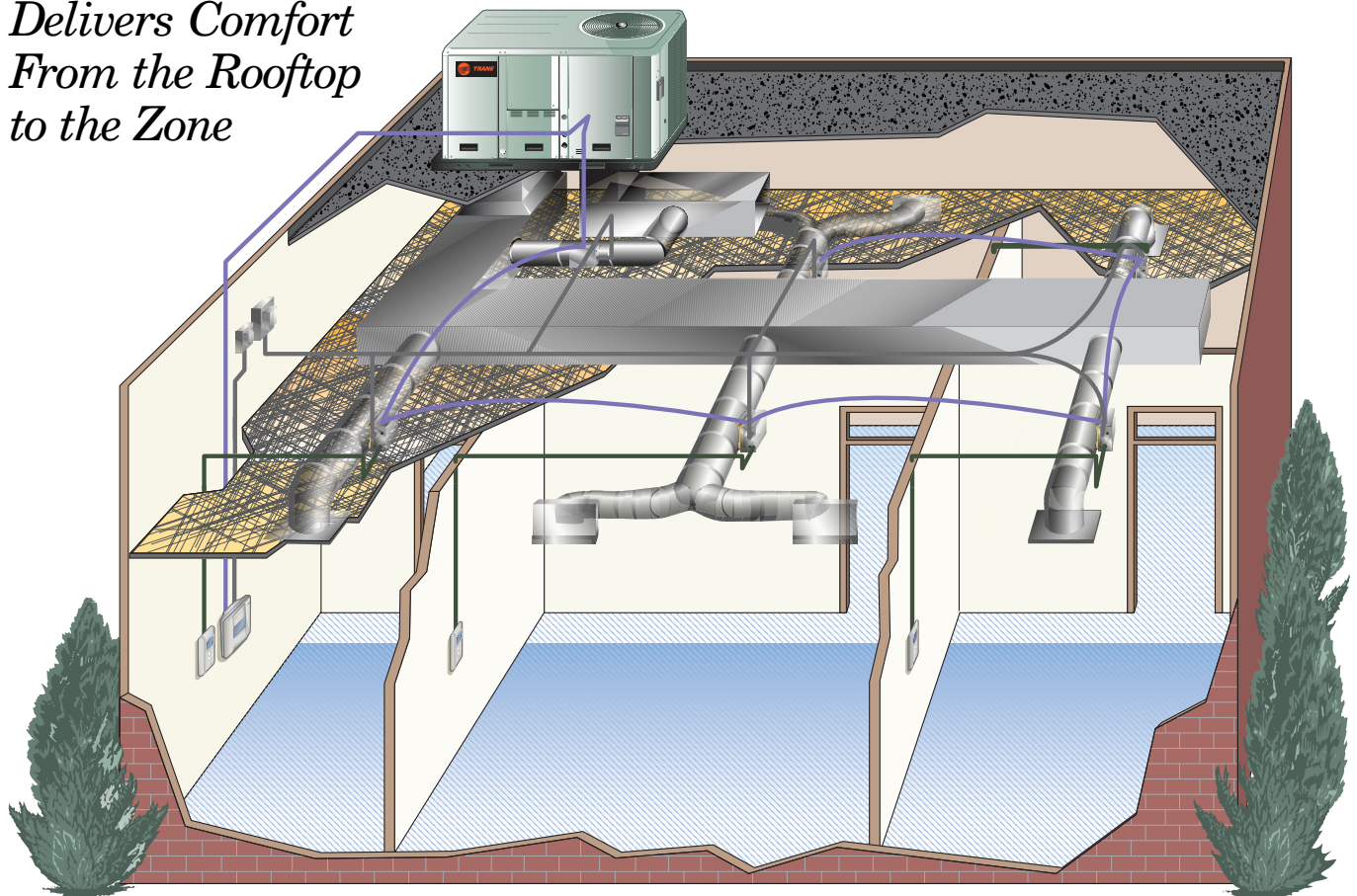
Combination Zoning

Combination zoning incorporates both multiple and airside zoning methods.

Some buildings have multiple HVAC units serving single areas and other HVAC units which are zoned with VariTrac dampers and space sensors.

Tracker can be the scheduler and operator panel for multiple VariTrac zoning systems and multiple stand-alone HVAC units. In addition, Tracker can support units without microprocessor controls as well as other equipment, such as lights and exhaust fans by using input/output controllers.

*Trane
Delivers Comfort
From the Rooftop
to the Zone*





A Complete Package

Smart Rooftops **Plus** Smart Controls **Equals** Total Comfort, Total Control . . . Exclusively from Trane

Simple but Sophisticated Control

Tracker provides scheduling, monitoring, and timed override capabilities, as well as local and unit auto dial-out indication of alarms. Operator interface is simple and user-friendly with icons on the touch-screen display or through a computer using Tracker PC software. (ICS).

The **Tracker** building management panel provides microelectronic control and communicates with multiple rooftops and VariTrac systems. This two-way communication provides status points and alarm messages through a communications link, creating a total Integrated Comfort System (ICS).



Tracker™



VariTrac™ Central Control Panel, round zone damper and digital zone sensor

VariTrac is zoning made simple. A single HVAC unit controls multiple zones of comfort, with an individual thermostat in each zone. This is the easiest and most cost effective way to achieve true individual comfort.

Trane Controls Feature:

- **Simple** wiring and easy installation
- **Superior** automatic temperature control
- **Ventilation** control
- Inexpensive, easy-to-use sensors

The **touch screen display** provides all functionality and status of the building.

- **Reliable** electronics retain programming through power outages . . . no batteries to change.
- Optional **personal computer software** enables advanced features.



Trane has a full selection of temperature sensors including wireless and LCD displays.



Frequently Asked Questions

What are the advantages of buying HVAC and electronic controls from a single source?

Having one company to deal with reduces the design and delivery variables. If problems arise during commissioning or afterwards, there's no question about whether it's a control or equipment issue.

How does zoning improve comfort?

Zoning provides heating or cooling in areas based on the comfort needs of building occupants in those specific areas.

Will a zoning system be difficult to install and program?

Each of the system components is carefully designed to be easy to install. Control panel enclosures streamline the work of wiring. The Trane system intelligently configures itself to operate with little additional programming.

Is zoning affordable for light commercial applications?

Yes. When compared to using programmable thermostats, a Trane unitary zoning system is price competitive and delivers greater functionality.

Will the building staff be able to control the system?

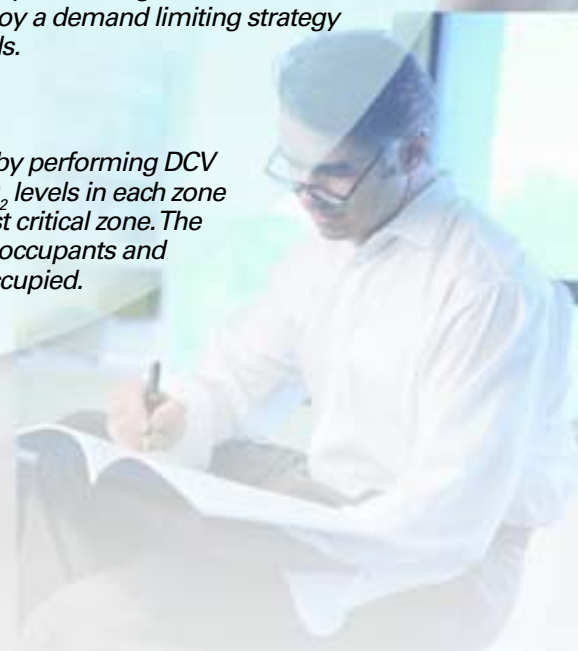
The touch screen interface on Tracker makes it easy for occasional users to check or change settings.

How can the Trane Light Commercial Integrated Comfort System help hold the line on energy costs?

Everyone is concerned about energy these days. Zoning saves money and energy in three ways. Zoning runs HVAC units for a particular zone only when needed. It allows the system designer to use smaller capacity units and still meet comfort requirements. Zoning can employ a demand limiting strategy to reduce energy use during peak periods.

What about indoor air quality?

The Trane light commercial system meets ASHRAE 62.99 by performing DCV (Demand Control Ventilation). The system monitors the CO₂ levels in each zone and modulates the CFM of outside air based on the most critical zone. The benefits of proper ventilation include fresh air for the occupants and reduced operating costs when the space is occupied.



Let Trane Bring Comfort to Every Zone on Your Next Light Commercial Project



It's Hard To Stop A Trane.®

Trane
A business of American Standard Companies
www.trane.com

For more information contact your local dealer (distributor), local district office, or e-mail us at comfort@trane.com

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Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.