

## Update Older VVT, VariTrac, Parker or VAV Systems using the existing dampers or boxes on the job!

Zonex's RetroZone system is the affordable, fast, easy solution to upgrade, older obsolete control systems!

- No need to remove old dampers. Designed specifically for retrofitting Older VVT type systems using existing dampers and most of the existing wiring
- No need to buy new dampers & install them. RetroZone greatly reduces cost of labor & parts and allows building tenants to enjoy the benefits and efficiency of updating older systems at a lower price - **FAST!**
- RetroZone is available with our [GEN II](#), [GEN V](#) & [GEN X](#) remotely communicating system

Let us know how many on each system you want to upgrade



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GET A PRICE TO UPDATE YOUR OLD SYSTEM **NOW**

For info call (800) 228-2966  
or contact your distributor

## Don't Pull Those Dampers!

*You can retrofit existing Carrier VVT Generation I or II and other VAV control systems without having to replace the existing dampers. RetroZone is the answer!*

**RetroZone** uses the Zonex **GEN II** and **GEN X** (with remote internet access) systems to upgrade these older control systems. When upgrading the existing dampers, some of the control wires are not replaced. This simplifies the installation and greatly reduces the cost of labor and materials. It's a win – win situation; the RetroZone upgrade provides modern, efficient control at a very competitive cost.

**RetroZone** provides everything needed to upgrade these older zoning systems; only the controls and damper actuators are replaced to provide a reliable and efficient zoning system.

**RetroZone GEN II** can control up to 17 zones with modulating dampers on a single HVAC unit and you can also integrate stand-alone HVAC systems.

**RetroZone GEN X** with remote internet access will control up to 400 zones which include up to 20 zoned HVAC systems, stand-alone HVAC systems and communicating relays for scheduled control of auxiliary blowers, lightning, etc.

**RetroZone** provides you with the ability to upgrade any outdated and malfunctioning zoning system with our simple **GEN II** or the App-based **GEN X** system. Supplemental heat, hot water coil in a box, or other heat sources can be controlled as well. This upgrade will minimize your installation time & cost and maximize your system's performance.

**Profitably update older zoning systems with RetroZone**

[\*\*CLICK HERE\*\*](#)

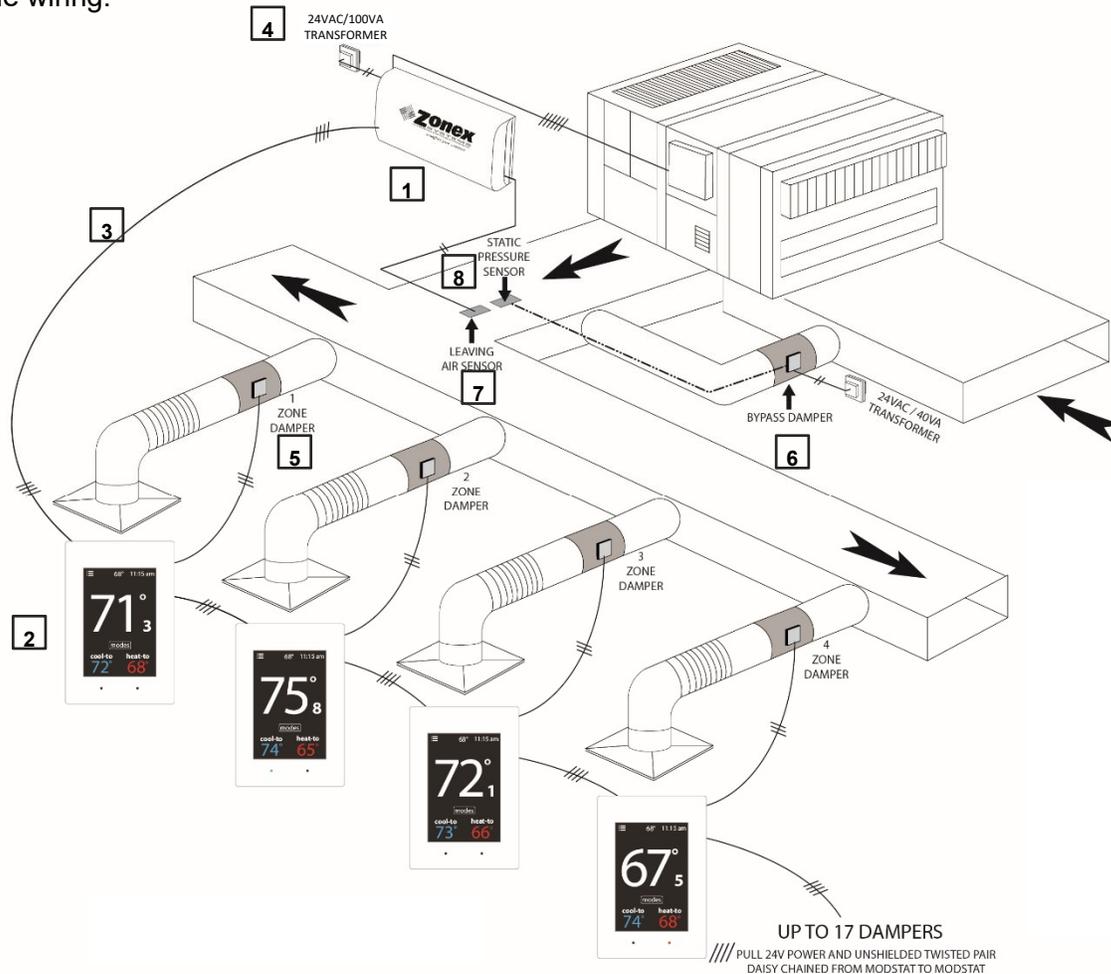
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## GEN II – CONCEPTUAL DRAWING

The **GEN II** system is a modulating zone and thermal management system. The **GEN II** can support up to 17 touchscreen thermostats which can control dampers and stand alone HVAC equipment.

**GEN II\*** can easily upgrade VVT, VariTrac, Parker or other zoning systems utilizing existing dampers and most of the wiring.



### GEN II SYSTEM COMPONENTS:

- 1 GEN II Controller
- 2 EzTouch Thermostat
- 3 Twisted pair communication wire (Use Belden 8740)
- 4 24VAC/100VA Transformer to power all dampers
- 5 Zone dampers (Existing)
- 6 Bypass dampers with static pressure control (Existing)
- 7 Leaving air sensor
- 8 Static pressure sensor

### DESCRIPTION

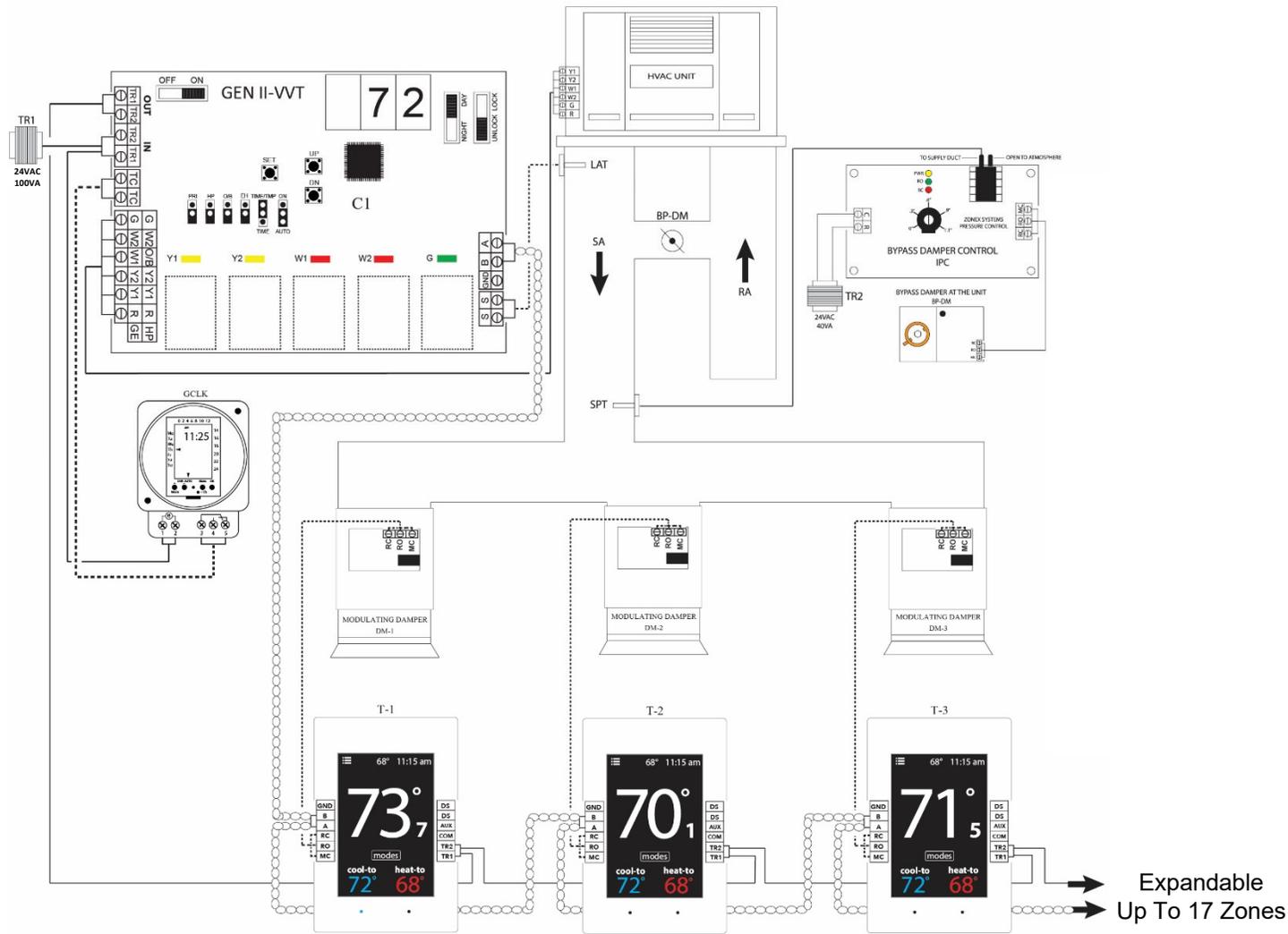
The GEN II is a commercial modulating zone control system controlling 2-17 independent zones per unit. The GEN II controller is designed for Auto Changeover, multistage Heat Pump (2C/3H) and Gas Electric (2C/2H) applications.

The GEN II system uses the Zonex EzTouch thermostat, which modulates 3-wire, 24-volt, power open / power close round and rectangular dampers.

Additional features include LED status indication of all system functions, digital LAT display, fully adjustable capacity control with on-board limit settings, and optional staging strategies. Night setback operation is standard, with selectable 2 hour override at each stat and the ability to lock temperature set points.

**\*For multiple-zone systems with remote access use GEN X with GEN X - RMs**

## RetroZone SYSTEM WIRING WITH GEN II



See how easy it is to convert older, obsolete already existing zone system to a RetroZone.

### For each damper:

Remove all of the electronic and mechanical parts from the damper assembly leaving the damper shaft. Place new Zonex actuator over the damper shaft.

### Replace zone thermostats:

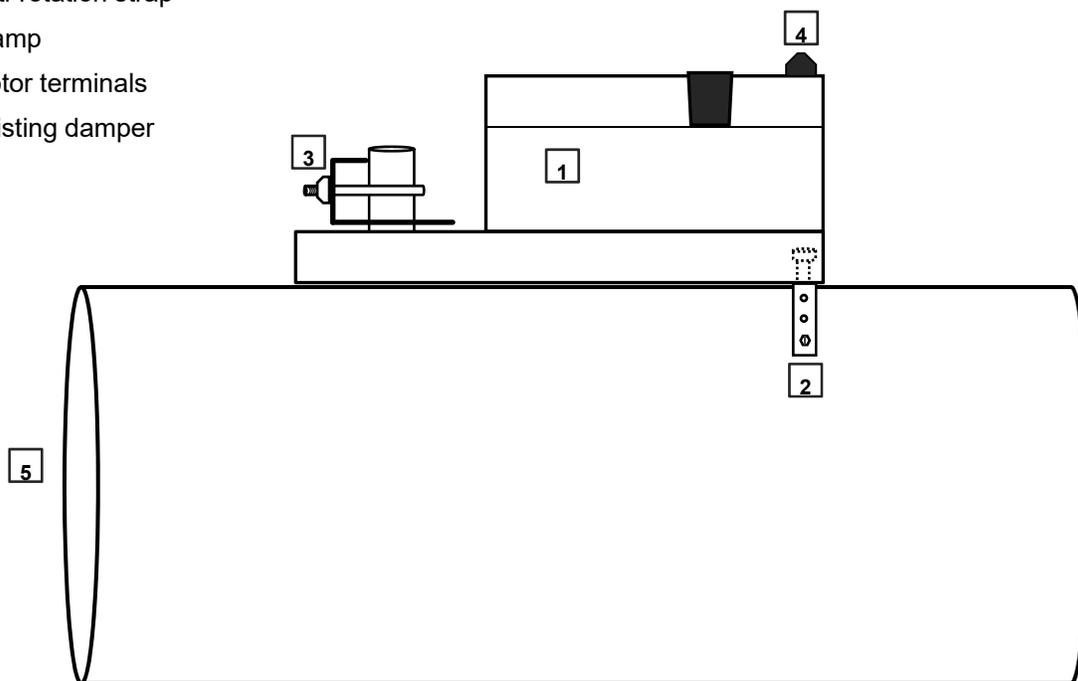
Remove existing thermostats and install RetroZone EzTouch thermostats. Connect three wires from damper actuator to thermostats.

### System controller:

Install the **GEN II** controller in a location where it is accessible yet out of the way. Run twisted pair communications wire from the GEN II controller daisy chained from stat to stat with no home run wiring required. Install a dedicated 24-volt transformer to controller (**One 100 VA transformer powers all dampers in your system**). Install leaving air sensor from the **GEN II** controller to discharge plenum before bypass takeoff.

## RetroZone ACTUATOR REPLACEMENT

- 1 Actuator
- 2 Anti-rotation strap
- 3 Clamp
- 4 Motor terminals
- 5 Existing damper



### Basic installation of Zonex Systems Actuator is four easy steps:

- A. Remove old actuator and electronics.
- B. Place new Zonex actuator over the damper shaft.
- C. Tighten clamp on to damper shaft.
- D. Install anti-rotation strap.
- E. Connect the wires to the motor terminals.

Conversion is complete.

\*Shaft adapter required to update Trane damper.

Ready for a **GEN II** Upgrade?



**EASILY UPDATE**

to **GEN X**



**GEN X**

Remote internet access from your phone, computer, tablet or mobile device

for customers that want to **Monitor and Control** their system **REMOTELY** from **ANYWHERE**

**GEN X** puts total system control in the palm of your hand

View and update all system information from the free mobile app and use the System Diagnostic to identify wiring errors in seconds

**UPGRADE**

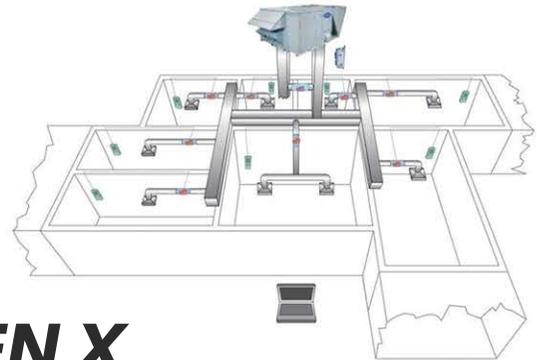
using **Wireless** or **Wired** Thermostats

**REUSE**

your existing dampers on the job

**QUICK & EASY RETROFIT**

Update stats. Update Actuators.  
Update the look. Access it remotely.  
GEN X...it's state-of-the-art



**GEN X**

is also the perfect solution to update old **Carrier VVT, Parker or Trane** systems using the existing dampers or VAV boxes

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