

Thermostats & Transformers

Two Position

T-511 digital-display zone thermostat can control any two-position Young Regulator Automatic Changeover Damper systems. T-511 can control one master and up to five drones on a single transformer.



Modulating

T-720A digital thermostat features a proportional/integral (PI) algorithm to control floating point damper modulation. It has a duct sensor to monitor duct temperature. The T-720A provides a finer level of control. The T-720A can drive one master and up to six drones.



Transformer

3035 transformer converts 120VAC to 24VAC to power Young Regulator dampers and thermostats.



Damper Info

- Round sizes 4"-20"
- Rectangular 4"x4" to 24"x36"
- Standard 24VAC
- Heavy gauge commercial quality construction
- Custom sizes and configurations

Specialty Solutions

- Bypass-in-a-Box, everything required: damper, actuator, static pressure probe, switch
- Field Adjustable from 0.17 in. W.C. to 5 in. W.C.
- Sizes 4" to 16" round rectangular available



Bypass Info
4092/3092

- Monitors space carbon dioxide
- Modulates the damper to bring in only required fresh air
- Stand alone IAQ solution



Demand Ventilation
Demand-Air™

- Keep warm air out of the computer room
- Damper closes anytime the duct temp is above 72°
- Sizes 4" to 16" round rectangular available



Computer Rooms
2100IT

Your Contact Info Here

Your Air Distribution Partner Since 1930



Young Regulator Co.

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Young Regulator Company *There is NO Equivalent.*

Single-Point Zoning Control Made Simple



**Effective
Controls
Do NOT
Have To Be
Complicated!**

More Information?

www.youngregulator.com/zoning.com



**Customize Airflow to Personalize Comfort
Simple Controls and High Quality Dampers**



Single-Point Zoning

Two Position

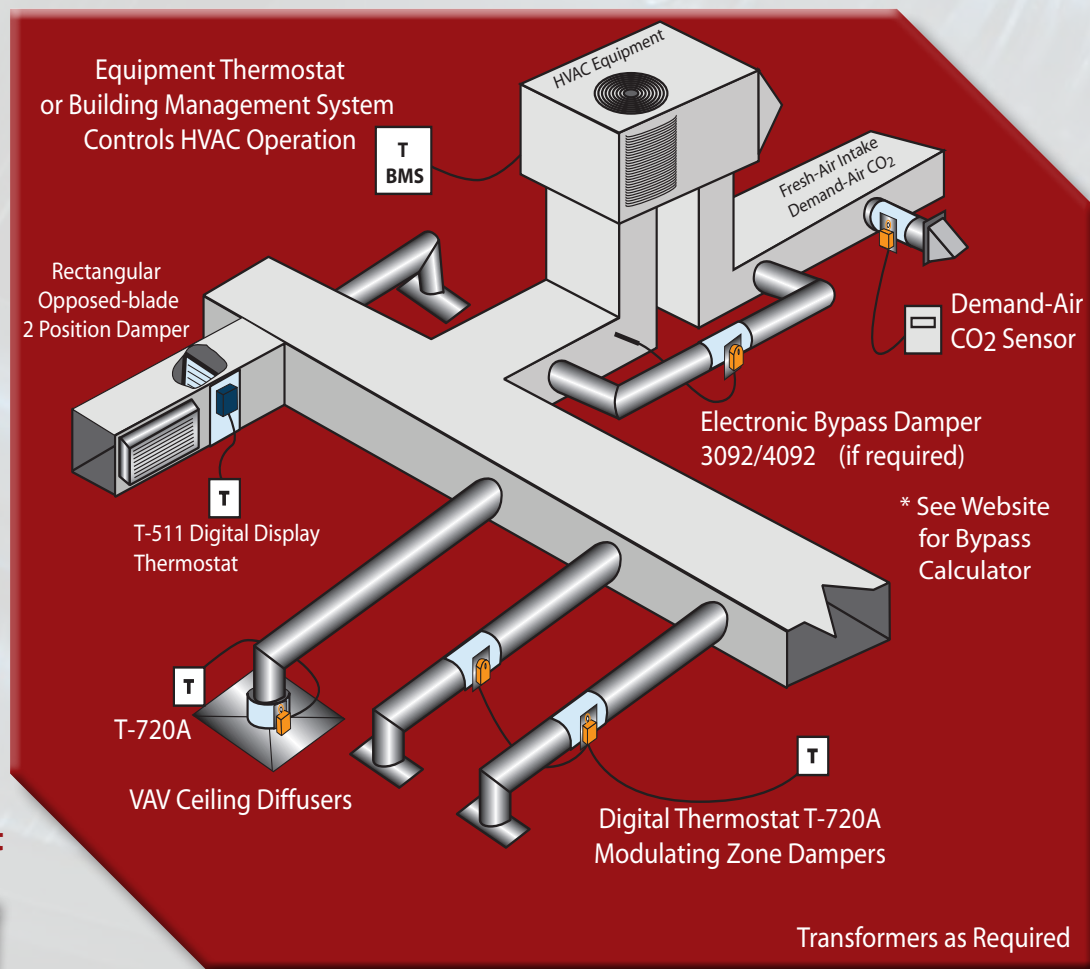
- 72° Auto Changeover
- Proven Synchronous or Brushless Motors
- Power Open - Spring Closed
- Use T-511 Digital Stat
- 2 Wire Simplicity
- Most Economical



T-511 Digital Thermostat



2010 Round / 2050 Rectangular Choose Synchronous or Brushless Motor



Typical Single-Point Applications:

- Anywhere Requiring a Dynamic Air Balance
- Ductwork/Bldg Mgmt System Limitations
- Individual High Value Tenant Offices
- Problem Spaces
- Low Load Areas
- Low Demand Areas
- Special Use Rooms
- Drafty Spaces
- Retail Spaces
- IAQ Applications
- Conference Rooms

How Does it Work?

Customize Airflow and Personalize Comfort with Single-Point Zoning!

Single-Point Zoning is a simple way to control one or more dampers to create a dynamic air balance, limiting conditioned air to a zone that is satisfied, directing it to other zones that require more. Single-Point, like a simple switch on a light, controls one damper, a room, or a whole wing without an expensive and complicated control panel.

Two-Position Systems

feature the Young Regulator Auto-Changeover Relay Module (ARM) with duct sensor. They power open on a call for air and spring closed when the T-511 digital display thermostat is satisfied. A supply air duct sensor determines if the unit is in heating or cooling and automatically changes over the operation of the thermostatically controlled zone damper. With the unit in cooling (supply air temperature less than 72°), the damper will open on a rise in temperature. With the unit in heating, the damper will close on a rise in temperature.

Modulating Systems

use the T-720A, a digital display thermostat with duct sensor that employs a Proportional / Integral algorithm to precisely control room temperature. When the room is above set-point and duct temperature is below, the damper starts to open. It stops when the room temperature approaches set-point, virtually eliminating overshoots. The damper moves toward closed when the temperature goes below set point. (Heating works in the opposite direction)

9100 VAV Diffuser
4075-LMB Round
3085-LMB Rectangular



Modulating

- Proportional/Integral Algorithm - Finer Control, Less Overshoot
- Rugged Belimo Brushless Motor with 5 Yr. Warranty
- Use T-720A Thermostat

T-720A Digital P/I Thermostat

