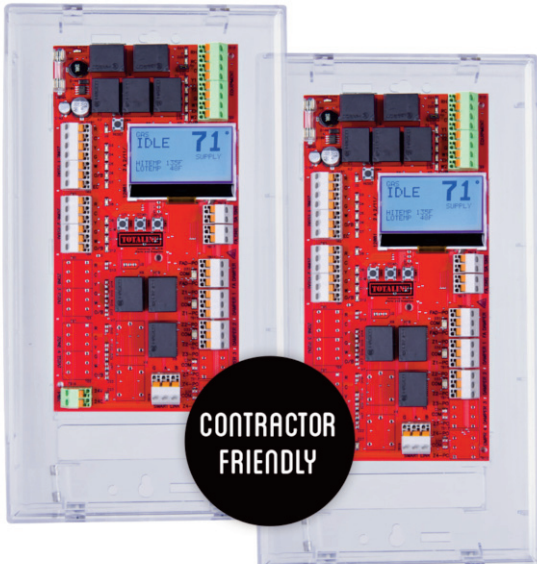


# UNIVERSAL TL SERIES GENERAL SELECTION GUIDE

## FOR CONTROLLERS & DAMPERS

Totaline® Aftermarket Zoning offers a full line-up of universal application 2-zone and 4-zone controllers and a complete high quality line of round and rectangular dampers. This line was designed with the contractor in mind, making it easy to install, easy to set up and easy to troubleshoot.



### CONTROLLERS

Features	Controller Model		
	TL-EZ2F	TL-EZ4F	TL-EZ2N
Full Featured 2-Zone Controller	✓	N/A	✓
Full Featured 4-Zone Controller	N/A	✓	N/A
Fresh Air Control	✓	✓	N/A
Economizer Control	✓	✓	N/A
Expansion Board Option	✓	✓	N/A
Gas/Electric – Heat Pump – Dual Fuel	✓	✓	Dual Fuel N/A
3H/2C Universal	✓	✓	✓
Easy Step by Step System Setup	✓	✓	✓
Clear Acrylic Case for Easy Viewing	✓	✓	✓

### DAMPERS

Features	Model TL-POC	Model TL-FAD	Model TL-SRD	Model TL-BBD	Model TL-RPOCA	Model TL-RSRDA
Round	✓	✓	✓	✓	N/A	N/A
Rectangular	N/A	N/A	N/A	N/A	✓	✓
2-Wire Power Close/Spring Open Supply Air Damper	N/A	✓	✓	N/A	N/A	✓
3-Wire Power Open/Power Close Supply Air Damper	✓	N/A	N/A	N/A	✓	N/A
Red/Green LEDs Indicate Full Open/Closed Position	✓	N/A	N/A	N/A	✓	N/A
Red LED Indicates Power to Damper	N/A	✓	✓	N/A	N/A	✓
Poron Blade Edges Provides Positive Seal	✓	N/A	N/A	N/A	N/A	N/A
PVC Shaft Eliminates Condensation at Motor Hub	✓	N/A	N/A	N/A	N/A	N/A
Nylon Shaft Bushings Promote Long-Life Operation	✓	✓	✓	✓	✓	✓
30-Second Operation Full Open to Full Close	✓	✓	✓	N/A	✓	✓
Long Life Actuator	N/A	✓	✓	N/A	N/A	N/A
Opposed Blade Design Reduces Turbulence	N/A	N/A	N/A	N/A	✓	✓
Insulation Pad Between Actuator and Damper Cylinder	✓	N/A	✓	✓	✓	N/A
Five-year warranty	✓	✓	✓	✓	✓	✓



**Universal HVAC/R  
Parts and Supplies**

# UNIVERSAL TL SERIES GENERAL SELECTION GUIDE FOR CONTROLLERS & DAMPERS

	2 - Zone System	3 - Zone System	4 - Zone System
3 Ton	<p><b>Barometric Bypass 1200 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ2N/F*</b>    2 Zone Control  <b>TL-BBD10</b>    10" Barometric Bypass</p> <p>Pick <b>two</b> supply dampers from the information below <b>to equal 1200 CFM</b></p>	<p><b>Modulating Bypass 1200 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD10</b>    10" Modulating Bypass</p> <p>Pick <b>three</b> supply dampers from the information below <b>to equal 1200 CFM</b></p>	<p><b>Modulating Bypass 1200 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD10</b>    10" Modulating Bypass</p> <p>Pick <b>four</b> supply dampers from the information below <b>to equal 1200 CFM</b></p>
3.5 Ton	<p><b>Barometric Bypass 1400 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ2N/F*</b>    2 Zone Control  <b>BBD12</b>    12" Barometric Bypass</p> <p>Pick <b>two</b> supply dampers from the information below <b>to equal 1400 CFM</b></p>	<p><b>Modulating Bypass 1400 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD12</b>    12" Modulating Bypass</p> <p>Pick <b>three</b> supply dampers from the information below <b>to equal 1400 CFM</b></p>	<p><b>Modulating Bypass 1400 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD12</b>    12" Modulating Bypass</p> <p>Pick <b>four</b> supply dampers from the information below <b>to equal 1400 CFM</b></p>
4 Ton	<p><b>Barometric Bypass 1600 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ2N/F*</b>    2 Zone Control  <b>TL-BBD12</b>    12" Barometric Bypass</p> <p>Pick <b>two</b> supply dampers from the information below <b>to equal 1600 CFM</b></p>	<p><b>Modulating Bypass 1600 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD12</b>    12" Modulating Bypass</p> <p>Pick <b>three</b> supply dampers from the information below <b>to equal 1600 CFM</b></p>	<p><b>Modulating Bypass 1600 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD12</b>    12" Modulating Bypass</p> <p>Pick <b>four</b> supply dampers from the information below <b>to equal 1600 CFM</b></p>
5 Ton	<p><b>Barometric Bypass 2000 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ2N/F*</b>    2 Zone Control  <b>TL-BBD14</b>    14" Barometric Bypass</p> <p>Pick <b>two</b> supply dampers from the information below <b>to equal 2000 CFM</b></p>	<p><b>Modulating Bypass 2000 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD14</b>    14" Modulating Bypass</p> <p>Pick <b>three</b> supply dampers from the information below <b>to equal 2000 CFM</b></p>	<p><b>Modulating Bypass 2000 CFM</b></p> <p><b>Model Number</b>    <b>Description</b>  <b>TL-EZ4F*</b>    4 Zone Control-Fresh Air  <b>TL-MBD14</b>    14" Modulating Bypass</p> <p>Pick <b>four</b> supply dampers from the information below <b>to equal 2000 CFM</b></p>

**Bypass damper rule of thumb:**

- 2.5 - 3 Ton use a 10" damper
- 3.5 - 4 Ton use a 12" damper
- 5 Ton use a 14" damper

**Choose Power Open / Power Close or Power Open / Spring Close Supply Dampers:**

6" Damper = 100 CFM	12" Damper = 500 CFM	18" Damper = 1500 CFM
8" Damper = 200 CFM	14" Damper = 700 CFM	20" Damper = 1900 CFM
10" Damper = 300 CFM	16" Damper = 1000 CFM	

**CFM** = Cubic feet per minute which Measures the volume of air through the ventilation system works with any 5 - wire thermostat

**F\*** = Fresh air capability

