

**Energy Efficient  
Indoor Air Quality**



**Belimo ZIP Economizer™**

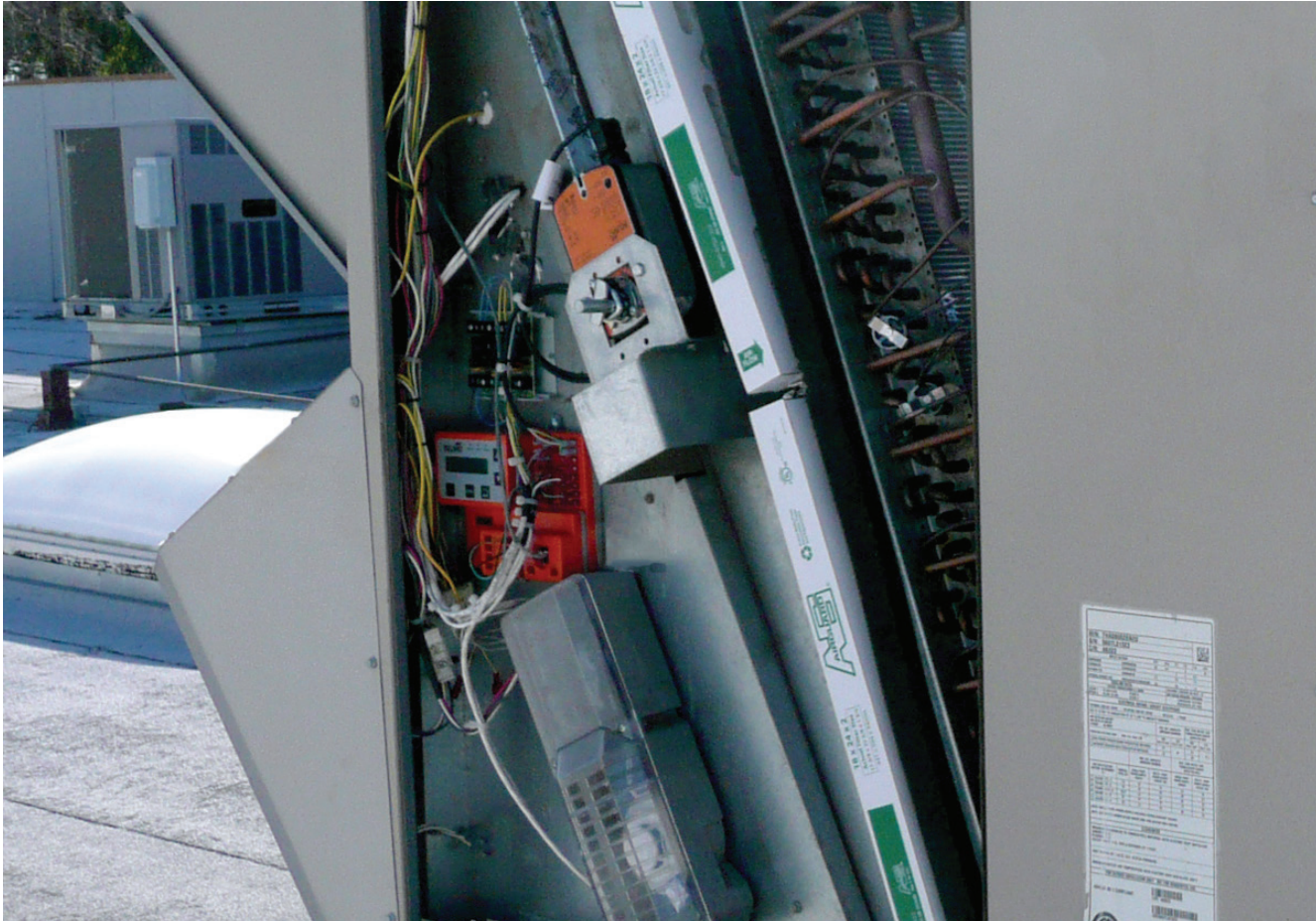


Discover the advantages  
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**BELIMO®**



# Fast route to reliable energy savings



Airside Economizing is a great way to reduce operating costs; it also provides the correct ratio of outside air and return air to deliver the proper indoor air quality (IAQ) to meet the codes and provide occupant comfort. Studies have shown that up to 70% of economizers are not functioning correctly. Many times economizer systems are set up incorrectly or are left to operate in factory default mode. Many failures go undetected, costing building owners unnecessary expense and energy standards and building IAQ requirements are not met.

The ZIP Economizer with BACnet capability gets efficiency strategies back on track with easy setup, automatic code change over temperatures, and superior troubleshooting capability. The ZIP's BACnet objects will allow facility managers to configure the economizer logic and monitor its performance through the Building Management System (BMS).



# Innovations redefining comfort

Airside economizing (using outdoor air as a cooling medium when conditions are suitable) is one of the smartest ways for buildings to save energy. The ZIP Economizer is designed to provide the most energy savings through advanced economizer logic strategies and is compliant with the most recent energy codes and standards (ASHRAE 90.1, IECC, California Title 24, ASHRAE 189.1).



## Efficient Free Cooling

With the relevant climate zone and energy code data built-in by simply entering your ZIP code, you automatically maximize energy savings and meet compliance criteria with all codes and standards.



## Fault Detection & Diagnostic

The ZIP Economizer quickly troubleshoots faults, initiates alarms, and reconfigures for the best operation.

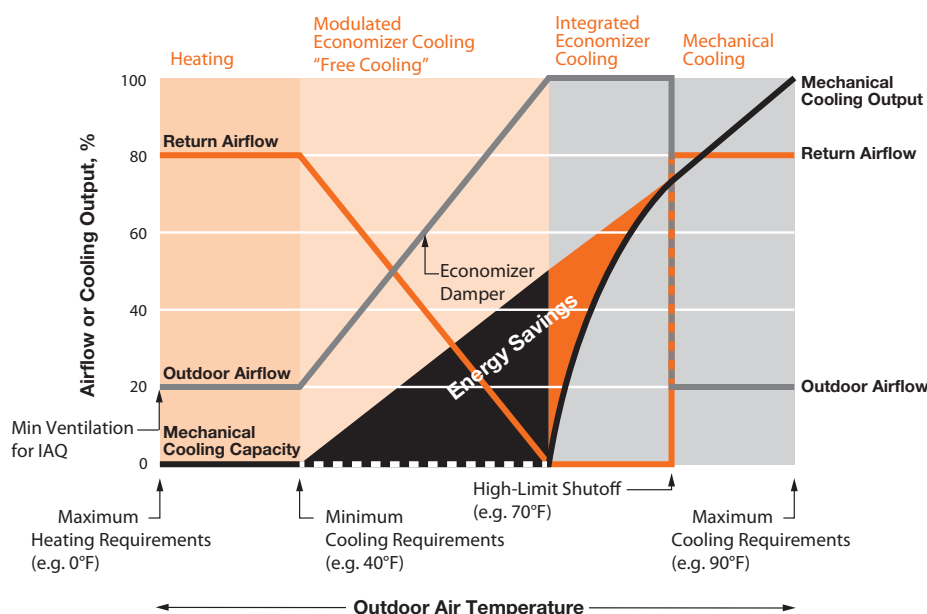


## Plug and Play

With its self-configuration, if it is not plugged into the economizer, you will not have to worry about setting it up.

“The ZIP Economizer offers 75 BACnet data points available over the BMS to facilitate custom control sequences to provide enhanced system performance and troubleshooting details.”

**Frank DiPaolo, Product Specialist,  
Belimo Americas**





1

**Easy-to-read LCD display**

This display delivers clear live status information, easy setup, changes, and operating history with easy navigation.

2

**ZIP Code patented technology**

By simply entering your ZIP code or Canadian postal code, the system will automatically recognize your climate zone and will set the high limit change over temperature providing automatic compliance.

3

**Plug and play**

With its self-configuration, if it's not plugged into the economizer, you won't have to worry about setting it up.

4

**Acceptance tests**

Integrated onboard test sequence that ensures effortless compliance with California Title 24, and verification of proper operation.

5

**Fault Detection and Diagnostics (FDD)**

Troubleshoot faults, initiates alarms, and reconfigures for best operation.

6

**Onboard information**

First and only economizer control that integrates onboard help for setup or troubleshooting.

7

**Modular design**

Flexible design capable of adding remote communication and or energy savings strategies on the same footprint.

8

**Alarm notification**

Instantly reports a problem and addresses it.

9

**BACnet**

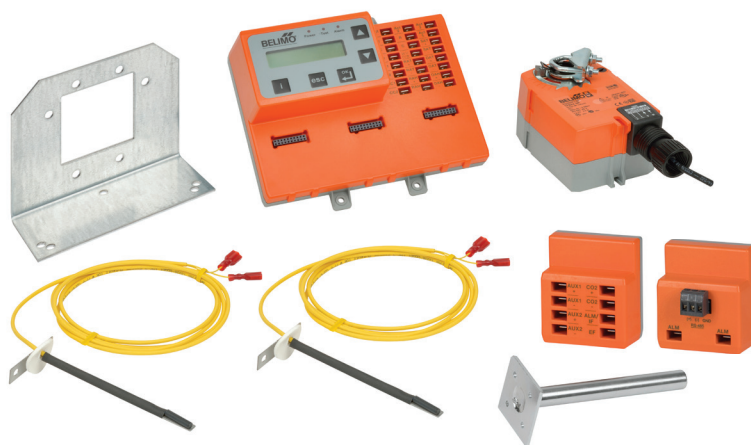
Integration of BACnet MS/TP communication capability provides Building Management System (BMS) operators flexibility with economizer logic and control parameters available over the buildings' communication bus.



5-year warranty

# Quick and easy drop-in economizer retrofit solution

Belimo ZIP Packs are a packaged solution to retrofit non-functioning economizers efficiently and get systems back on track quickly. Conveniently packed in one box with one single part number. The ZIP Packs include a ZIP Economizer, air sensors, energy module for Demand Control Ventilation (DCV) integration, spring return actuator, and the necessary retrofit hardware needed for a drop-in replacement all backed by a 5-year warranty. The ZIP Packs meet the latest energy standards and building IAQ requirements.



## PACK COMPONENTS INCLUDE:

- ECON-ZIP-Base: Base economizer
- ECON-ZIP-EM: Energy module (DCV, 2 speed fan, exhaust fan, pre-occupancy purge)
- ECON-ZIP-10K: 10K sensor for supply air
- ECON-ZIP-COM: Communication module
- LF24-SR US or TFB24-SR: Spring return actuator
- ECON-ZIP-LF1 or ECON-ZIP-TF1: Retrofit kit for actuator replacement

## CONTROL STRATEGY SPECIFIC COMPONENT OPTIONS:

- ECON-ZIP-10K: 10K outside temperature sensor
- ECON-ZIP-TH: Temperature and humidity sensor, outside air
- ECON-ZIP-10K: 10K return air sensor
- ECON-ZIP-TH: temperature and humidity sensor, return air



# Exceptional service

For over 40 years, Belimo has successfully focused on the heating, ventilation, and air conditioning markets providing quality solutions that will increase energy efficiency and reduce installation costs with the fastest delivery times in the industry. Our innovative products have always been designed to help achieve objectives better, faster, and more economically. Investing in new technology is key to our success, and Belimo will continue to offer products to help businesses succeed.



5-year warranty



Global support



Tested quality



On-time delivery



Extensive service



Complete product range

## Belimo Americas

USA, Canada, Brazil, Latin America, and the Caribbean  
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