

# Quick and Easy Drop-in Economizer Replacement Solution



## ZIP Packs

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

## ZIP Pack Nomenclature

ECON-ZIP	-SE	TF
ZIP Economizer Solution with Energy Module	High Limit Changeover Strategy (Temperature)  SD = Single Dry Bulb  DD = Differential Dry Bulb  SE = Single Enthalpy  DE = Differential Enthalpy	Actuator  TF = 22 in-lbs*, 7.5 Tons**  LF = 35 in-lbs*, 12 Tons**

**Ordering Example:** Single Enthalpy with DCV Capability, 22 in-lbs; ECON-ZIP-SETF

\*With corresponding retrofit kit

\*\*Recommended max RTU tonnage

## 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
- **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
- **DIFFERENTIAL CONTROL:**
  - **ECON-ZIP-10K:** 10K Return Air Sensor
  - **ECON-ZIP-TH:** Temperature and Humidity Sensor, Return Air



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# Economizer Retrofit Solutions to increase the quality and reliability of your system

## ZIP Pack Offering

Model #	Description	Components (# included in kit)
ECON-ZIP-SDTF	Single Dry Bulb with DCV Capability and TF Spring Return Actuator (22 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-10K (2), TFB24-SR, ECON-ZIP-TF1
ECON-ZIP-DDTF	Differential Dry Bulb with DCV Capability and TF Spring Return Actuator (22 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-10K (3), TFB24-SR, ECON-ZIP-TF1
ECON-ZIP-SETF	Single Enthalpy with DCV Capability and TF Spring Return Actuator (22 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-TH, ECON-ZIP-10K, TFB24-SR, ECON-ZIP-TF1
ECON-ZIP-DETF	Differential Enthalpy with DCV Capability and TF Spring Return Actuator (22 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-TH (2), ECON-ZIP-10K, TFB24-SR, ECON-ZIP-TF1
ECON-ZIP-SDLF	Single Dry Bulb with DCV Capability and LF Spring Return Actuator (35 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-10K (2), LF24-SR US, ECON-ZIP-LF1
ECON-ZIP-DDLF	Differential Dry Bulb with DCV Capability and LF Spring Return Actuator (35 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-10K (3), LF24-SR US, ECON-ZIP-LF1
ECON-ZIP-SELF	Single Enthalpy with DCV Capability and LF Spring Return Actuator (35 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-TH, ECON-ZIP-10K, LF24-SR US, ECON-ZIP-LF1
ECON-ZIP-DELF	Differential Enthalpy with DCV Capability and LF Spring Return Actuator (35 in-lbs)	ECON-ZIP-BASE, ECON-ZIP-EM, ECON-ZIP-TH (2), ECON-ZIP-10K, LF24-SR US, ECON-ZIP-LF1

## Brackets and Shaft Adapters for Honeywell (M7XXX) "Black Box"

ECON-ZIP-ACT	Actuator Shaft Adapter allows easy retrofit from Honeywell® black box motors (M7XXX) to Belimo spring return actuator using existing linkage and crank arm assembly.	Shaft M4x8 Screws (4) Locking Nuts (4)
ECON-ZIP-LF1	Bracket with hole patterns to mount the LF Series actuator, horizontal or vertical position in existing Honeywell black box motor footprint.	ECON-ZIP-ACT ZG-112 Screws
ECON-ZIP-TF1	Bracket with hole patterns to mount the TF Series actuator, horizontal or vertical position in existing Honeywell black box motor footprint.	ECON-ZIP-ACT ZG-113 Spacers and Screws

Belimo Americas

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