

## ECONOMIZER CONTROL PACKAGES

*Features components manufactured by Honeywell exclusively for **RUSKIN-built** economizer packages.*

When the specification calls for an economizer, **THINK RUSKIN!**

When combined with low-leak, airfoil blade, return and outside air dampers our economizer package meets all current code requirements. Including the 3 cfm / sq. ft. @ 1" w.g. maximum leakage rate as called for in the International Building Code (IBC) and the International Energy Conservation Code (IECC).

Great for retrofitting existing damper banks with economizer controls.



*Shown above with optional transformer and electrical enclosure.*

### Standard Features:

#### **Economizer Logic Module**

(1) Panel mount 2-10Vdc actuator output, Demand Control Ventilation (DCV) that includes 2-10 Vdc IAQ input, IAQ set point, IAQ max setpoint, adjustable exhaust fan setpoint, exhaust fan contacts and night setback.

#### **Actuator**

(1) 24 volt, Direct Coupled, Spring Return 2-10 Vdc input signal and 2-10 Vdc feedback loop. Additional actuators (six maximum) may be added to this control set with the addition of a transformer and electrical enclosure (shown).

#### **Sensors**

(1) Outdoor Enthalpy Sensor, 4-20 mA output.

(1) Mixed Air Temperature Sensor

### Optional Features:

#### **Control Enclosure with Transformer**

Includes Factory wiring of Transformer and Logic Module (as shown above).

#### **Additional Actuators**

Five additional actuators may be used. Logic module is designed for up to six actuators. Transformer must be sized accordingly. The proper transformer is factory selected and mounted for your convenience.





#### **Transformers**

Standard on models ECO51001K, ECO51002K, ECO51003K, ECO53001K, ECO53002K & ECO53003K  
Model EPO90408R 40VA, 120/24 volt Transformer used for applications when one or two actuators are required  
Model EPO90858R 85VA, 120/24 volt Transformer used for applications when more than two actuators are required

**Note:** Electrical Enclosure Model ECO50408R contains a 40VA transformer model EPO9048R & terminal strips.  
Electrical Enclosure Model ECO50858R contains an 85VA transformer model EPO9085R & terminal strips.  
The enclosure/transformer used will be based on the number of actuators required for the specific job.

*example: an ECO51002K ordered with 3 actuators will include an ECO50858R enclosure with an 85VA transformer*

### Available Options

 <p>Second Sensor required on dual enthalpy kits only</p>	Model #	Description	List Price
	ECO50001K	<b>Dry Bulb Economizer Kit</b> <i>Logic module, O.A. and mixed air sensors</i>	\$112.32
	ECO50002K	<b>Single Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, and mixed air sensor</i>	\$149.68
	ECO50003K	<b>Dual Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, R.A. enthalpy sensor and mixed air sensor</i>	\$206.27
	ECO51001K	<b>Dry Bulb Economizer Kit</b> <i>Logic module, O.A. and mixed air sensors with enclosure, transformer &amp; factory wiring</i>	\$219.95
	ECO51002K	<b>Single Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, and mixed air sensor with enclosure, transformer &amp; factory wiring</i>	\$257.31
	ECO51003K	<b>Dual Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, R.A. enthalpy sensor and mixed air sensor with enclosure, transformer &amp; factory wiring</i>	\$313.91
	ECO52001K	<b>Dry Bulb Economizer Kit</b> <i>Logic module, O.A. and mixed air sensors with one 6Nm actuator</i>	\$196.46
	ECO52002K	<b>Single Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, and mixed air sensor with one 6Nm actuator</i>	\$233.82
	ECO52003K	<b>Dual Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, R.A. enthalpy sensor and mixed air sensor with one 6Nm actuator</i>	\$290.42
	ECO53001K	<b>Dry Bulb Economizer Kit</b> <i>Logic module, O.A. and mixed air sensors with enclosure, transformer &amp; factory wiring One 6Nm actuator shipped loose</i>	\$304.09
	ECO53002K	<b>Single Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, and mixed air sensor with enclosure, transformer &amp; factory wiring One 6Nm actuator shipped loose</i>	\$341.45
	ECO53003K	<b>Dual Enthalpy Economizer Kit</b> <i>Logic module, O.A. enthalpy sensor, R.A. enthalpy sensor and mixed air sensor with enclosure, transformer &amp; factory wiring One 6Nm actuator shipped loose</i>	\$398.05
Upgrade from a 6Nm actuator to a 10 Nm Actuator (good for 12 sq. ft. of damper face) <b>ADD</b>			\$41.92
Upgrade from a 6Nm actuator to a 20 Nm Actuator (good for 25 sq. ft. of damper face) <b>ADD</b>			\$57.49
Additional 6Nm Actuators good for up to 8 sq. ft. of damper face per actuator (maximum of 6) <b>ADD each</b>			\$150.40
Additional 10Nm Actuators good for up to 12 sq. ft. of damper face per actuator (maximum of 6) <b>ADD each</b>			\$191.64
Additional 20Nm Actuators good for up to 25 sq. ft. of damper face per actuator (maximum of 5) <b>ADD each</b>			\$207.89