



IT'S MORE THAN JUST VENTILATION
IT'S A SOLUTION

Efficiency is simply a breeze.

The freshest idea in energy efficiency.

The JADE® Economizer makes energy savings simple.

Let Nature Do The Work

JADE economizers are perfect examples of Honeywell innovations that make saving energy easier for your customers. For buildings with less than 50,000 sq ft and stand-alone rooftop unit applications, JADE is the best solution for a fresh air ventilation system. And it includes many of the features you'd expect to find in more expensive units:

- Demand control ventilation (DCV) capability
- Operational checkout
- Easy to read LCD screen
- Configurable freeze protection
- Component failure alarm

JADE saves you time during installation with clear information on its LCD display. It can be installed and configured by technicians without significant training. JADE eliminates the complicated set up typically associated with fresh air ventilation systems. Once installed, your customers will know the economizer is working properly, satisfying their ventilation and cooling needs and minimizing their cooling energy costs.

"It's so easy to use, it's as plug and play as it gets."

— *Honeywell contractor*

Optimum Comfort, Maximum Savings

JADE can lead to significant savings for customers using demand control ventilation and free cooling. Using JADE, some customers have seen their mechanical cooling use decrease by 40 percent over legacy Honeywell economizers while increasing comfort for their occupants.

Fault Detection and Diagnostics

JADE economizers provide on-board fault detection and diagnostics, reducing service and commissioning time. Plus, they're expandable and compatible with existing and future rooftop units.

When paired with a Prestige® IAQ thermostat, your customers can call for service when there is an alarm in the system. You'll be able to easily schedule the repair and keep your customer's building running in the most energy efficient mode. JADE is designed to save time and money for you and your customers.

The Convenience of Expansion

The PCMOD Tool connects between your PC and JADE controllers, so you can quickly access settings and run semi-automated tests to identify and verify operations. Successful reports can be given to building owners or utility companies to verify ventilation for rebates. And the PCMOD Tool lets you pre-configure economizers, so you save even more time at installation.

Go Beyond Green - Go JADE



The JADE economizer empowers you by controlling energy costs and contributing to our planet's environmental efforts. Honeywell continues to lead the way toward helping the world become more energy-efficient and sustainable with superior products that allow our customers to save energy even while saving on the bottom line. It's called an economizer for a reason -- your building will operate far more economically. Take your energy savings to the next level. It's simpler than it may seem. In fact, it's a breeze.

Effortless Installation, Compatibility and Expandability

JADE doesn't need a certified programmer or installer to set up and operate the economizer system. With JADE, you can start with a basic solution—single enthalpy or single dry bulb—then advance to more sophisticated solutions, like differential enthalpy and demand control ventilation., JADE is designed to meet your customers' needs and fit their current system.

Real World Reliability

For decades, Honeywell has led the way, developing and delivering the most popular economizers in the industry. JADE builds on this reputation, providing the same level of dependability with greater performance and benefits in an easy to use and maintain device.

You can rely on Honeywell economizers. With minimal service requirements, JADE economizer controllers are built to deliver years of reliable service. And when used with all Honeywell components in the system, they're backed by a five-year warranty.

Demand Control Ventilation is Responsive Comfort

Demand Control Ventilation is becoming more popular as an energy savings strategy and is required in many areas. DCV is a way to provide a building's occupants clean, comfortable, outside air without over ventilating and conditioning excess air. JADE economizers regulate the amount of outside air that enters a building by responding to occupancy levels, so buildings remain comfortable and energy efficient, regardless of how many people are using it.

Many local and regional utilities offer rebates and other incentives for using a JADE economizer controller. Contact your local utility to find out about programs in your area.

LCD Screen delivers continuous messages, important diagnostics and system status.

Color-coded wiring terminals help with easy installation.

Built-in freeze protection closes the outdoor dampers to protect coils when temperatures drop.

Two-wire Sylk® bus enabled communications enable simple integration and future expansion.



On-board fault detection and diagnostics quickly identifies sensor failures or loss of communication, saving time on service and commissioning.

JADE® Y-Pack Selection Guide

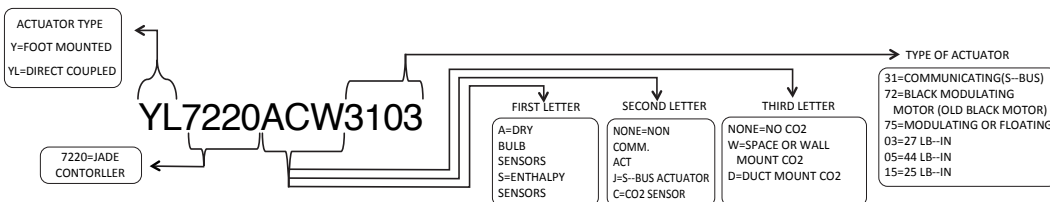
Control Type	Y Pack	Components Included
Dry Bulb with black motor	Y7220A7215	
	Logic Module	W7220A1000
	OAT sensor	C7250A1001
	MAT Sensor	C7250A1001
	Black Motor	M7215A1008
Dry Bulb w/non-communicating DCA	YL7220A7503	
	Logic Module	W7220A1000
	OAT sensor	C7250A1001
	MAT Sensor	C7250A1001
	DCA OA	MS7503A2030
Dry Bulb w/communicating 27 lb-in DCA	YL7220AJ3103	
	Logic Module	W7220A1000
	OAT sensor	C7250A1001
	MAT Sensor	C7250A1001
	DCA OA	MS3103J1030
Dry Bulb w/communicating 44 lb-in DCA	YL7220AJ3105	
	Logic Module	W7220A1000
	OAT sensor	C7250A1001
	MAT Sensor	C7250A1001
	DCA OA	MS3105J3030
Dry Bulb w/communicating 27 lb-in DCA and CO2 wall sensor without a display	YL7220ACW3103	
	Logic Module	W7220A1000
	OAT sensor	C7250A1001
	MAT Sensor	C7250A1001
	DCA OA	MS3103J1030
	CO2 sensor	C7632A1004

Economizer Logic Module	Logic Module	W7220A1000
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SENSORS	Sensor Type	Model Number
Mixed Air or Outdoor Air Temperature Sensor	MAT or OAT sensor	C7250A1001
Outdoor Air Enthalpy Sensor	OAE	C7400S1000
Wall Mount CO2 sensor with fixed settings	CO2 sensor	C7632A1004
Wall Mount CO2 sensor with selectable settings	CO2 sensor	C7232A1016
Duct Mount CO2 sensor with selectable settings	CO2 sensor	C7232B1014

ACTUATORS	Torque (lb-in)	Model Number
Black footmounted motor	Black motor	M7215A1008
Non-communicating DCA	27 lb-in	MS7503A2030
Communicating DCA	27 lb-in	MS3103J1030
Communicating DCA	44 lb-in	MS3105J3030

Control Type	Y Pack	Components Included
Enthalpy with black motor	Y7220S7215	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	Black Motor	M7215A1008
Enthalpy with black motor and CO2 wall sensor with a display	Y7220SCW7215	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	Black Motor	M7215A1008
Enthalpy with black motor and CO2 duct sensor with a display	Y7220SCD7215	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	CO2 sensor	C7232A1016
Enthalpy w/non-communicating DCA	YL7220S7503	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	DCA OA	MS7503A2030
Enthalpy w/communicating 27 lb-in DCA	YL7220SJ3103	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	DCA OA	MS3103J1030
Enthalpy w/communicating 44 lb-in DCA	YL7220SJ3105	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	DCA OA	MS3105J3030
Enthalpy w/communicating 27 lb-in DCA and CO2 wall sensor with a display	YL7220SCW3103	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	CO2 sensor	C7232A1016
Enthalpy w/communicating 27 lb-in DCA and CO2 duct sensor with a display	YL7220SCD3103	
	Logic Module	W7220A1000
	OAE Sensor	C7400S1000
	MAT Sensor	C7250A1001
	CO2 sensor	C7232B1014



Learn More

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