

Honeywell

JADE™ Economizer Module

(MODEL W7220)



This document describes wiring, power up, basic troubleshooting, and common installation issues for the JADE™ Economizer Module (Model W7220). For further information on mounting and operations, refer to Honeywell document 63-2 P03.

BEFORE INSTALLATION

Review the following before installing the the W7220:

Electrical

Rated Voltages: 20 to 30 Vac RMS; 50/60 Hz
Transformer: 100 Vac, minimum system input.

Relay Digital Output Ratings: 30 Vac

IMPORTANT

All inputs and outputs must be Class 2 wiring.

Inputs

A differential (DD) analog sensor is required on all W7220 units; either an OA (Outdoor Air) sensor for dry bulb change over or an OA/Sylphus sensor for outdoor enthalpy change over (in addition to the RA sensor). An additional Return Air (RA) Sylphus sensor can be added to the system for differential enthalpy changeover. JADE can be used with a CO₂ indoor air sensor for Demand Control Ventilation and with a VFD for two-speed fan operation.

INSTALLATION INSTRUCTIONS

DCV/CO₂ Sensor (CF2302): 2-30 Vac control signal, minimum impedance > 50k ohms.

Outputs

Actuator signals: 2-30 Vac, minimum actuator impedance is 20 ohms. Sylphus two-wire output for Honeywell Sylphus communicating actuators.

Exhaust Fan, Y1, Y2 and AUX1 On: Contact closure (24 Vac)

Relay Outputs (at 30 Vac):
Sylphus: 1.5A, maximum current: 7.5A insulation.

When Installing This Product

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check ratings given in instructions and on the product to ensure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.
5. For additional detailed information on this product go to customer.honeywell.com and download the product data sheet (63-2 P03) or scan QR code located on the label above MAT terminals with your smartphone.

Accessories

50048926-001: 2-pin edge connector for sensors
(20 pieces per bag)

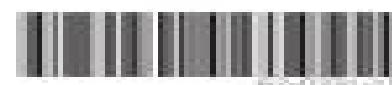
50048926-002: 6-pin edge connector for field wiring
(20 pieces per bag)

CT250: 20k sensor for OA or OA/HVAC bulb changeover

CT400S: Sylphus sensor for enthalpy control in OA and/or RA and RA for differential dry bulb changeover

W7220: PCModD Interface tool for JADE controller and Personal Computer. Go to customer.honeywell.com/economizer-tools for the software

50052860-001: Duct mounting kit for sensors
CTE32 or CT232 CO₂ sensors



63-2 P03-02

Jade Economizer Manual

SA Adler

Jade Economizer Manual:

New Pencil Points ,1981 *Marine Engineering/log* ,1983 **Progressive Architecture** Eugene Clute,Russell Fenimore Whitehead,Kenneth Reid,Elizabeth L. Cleaver,1981 *Thomas Register of American Manufacturers* ,1937 This basic source for identification of U S manufacturers is arranged by product in a large multi volume set Energy Research Abstracts ,1981 Semiannual with semiannual and annual indexes References to all scientific and technical literature coming from DOE its laboratories energy centers and contractors Includes all works deriving from DOE other related government sponsored information and foreign nonnuclear information Arranged under 39 categories e g Biomedical sciences basic studies Biomedical sciences applied studies Health and safety and Fusion energy Entry gives bibliographical information and abstract Corporate author subject report number indexes Machinery Market ,1946

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In a world used by displays and the ceaseless chatter of quick transmission, the melodic splendor and emotional symphony created by the published word frequently disappear into the background, eclipsed by the constant noise and interruptions that permeate our lives. But, nestled within the pages of **Jade Economizer Manual** a stunning fictional value brimming with raw feelings, lies an immersive symphony waiting to be embraced. Constructed by an elegant composer of language, this interesting masterpiece conducts readers on a psychological journey, well unraveling the hidden songs and profound impact resonating within each carefully crafted phrase. Within the depths with this poignant assessment, we shall examine the book's key harmonies, analyze its enthralling writing fashion, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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