

Economizer Logic Modules

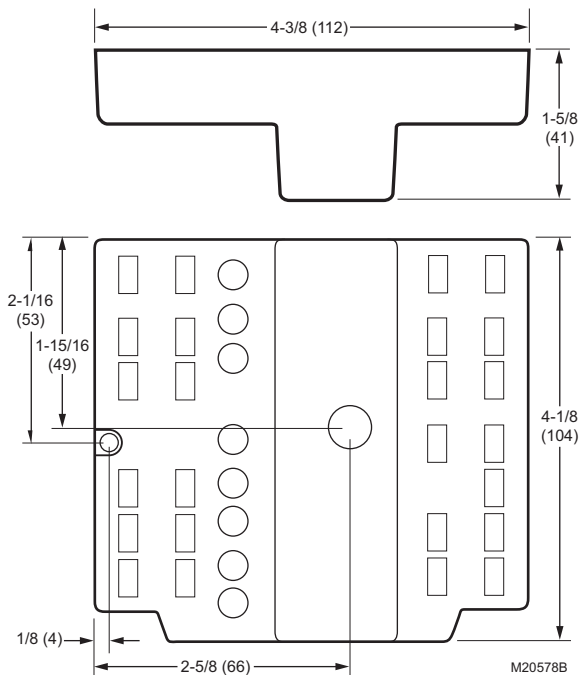
W7212 Demand Control Ventilation Economizer Logic Modules



W7212, W7213, and W7214 Economizer Logic Modules are used with CO2 Demand Control Ventilation (DCV) Sensors, and solid state C7400A Enthalpy Sensors or C7660 Dry Bulb Temperature Sensors. All models proportion outdoor and return air dampers for control of free cooling in commercial HVAC equipment.

- Operates from commercial thermostat and DCV sensor to provide a totally integrated control system
- Mounts on M7215 Motor or ductwork
- Used with Honeywell M7215 or Series 72 DCA
- Combines minimum and DCV maximum damper position potentiometers with mechanical cooling staging
- Solid state enthalpy or dry bulb changeover control
- Terminals included for connecting optional S963B1128 Remote Potentiometer for remote minimum damper position control
- LED indicates when free cooling is available
- LED indicates when module is in DCV mode
- LED indicates when exhaust fan contact is closed

Dimensions in inches (millimeters)



Contact Ratings: 1.5 A Run @ 30 Vac; 3.5 A Inrush @ 30Vac

Voltage: 24 Vac

Frequency: 50 Hz; 60 Hz

Operating Temperature Range: -40 F to +149 F (-40 C to +65 C)

Operating Humidity Range (% RH): 5 to 95% RH, non-condensing

Used With: C7232; C7632; Honeywell Series 72 actuators

Approvals

CE: CE Report: GV02-003

C-Tick: Approved

Underwriters Laboratories, Inc: UL Listed File: E4436, Guide: XAPX, Meets UL873 plenum requirements

Other Agencies: Complies with California Title 24

Accessories:

C7232A1008-Wall mounted Non-dispersive Infrared (NDIR) Carbon Dioxide Sensor with LCD Display and Honeywell logo

C7232A1016-Wall mounted Non-dispersive Infrared (NDIR) Carbon Dioxide Sensor with Honeywell logo

C7232B1006-Duct mounted Non-dispersive Infrared (NDIR) Carbon Dioxide Sensor with LCD Display and Honeywell logo

C7232B1014-Duct mounted Non-dispersive Infrared (NDIR) Carbon Dioxide Sensor with Honeywell logo

C7632A1004-Wall mounted Non-dispersive Infrared (NDIR) Carbon Dioxide Sensor with Honeywell logo

C7632B1002-Duct mounted Non-dispersive Infrared (NDIR) Carbon Dioxide Sensor with Honeywell logo

S963B1128-Manual Potentiometer (135 ohm)

Product Number	Input	Output	Color	Use with Sensor	Comments
W7212A1009/U	Dry Bulb Temperature sensor: C7660; Mixed Air Temperature sensor: C7150; CO2 sensor: C7232; Enthalpy Sensor: C7400A	2-10 Vdc to actuator	Black	C7232; C7400A; C7150	Can be used with C7400A Enthalpy sensors or C7660 Dry Bulb sensor and C7232 CO2 sensors for Demand Control Ventilation; Accepts inputs from discharge or mixed air temperature sensors. Economizer Logic Module operates Series 72 actuators. Default minimum position in freeze protection

Economizer Parts and Accessories

Product Number	Description	Used With
138823/U	Knob for H205	H205
198992A/U	620 ohm Resistor Assembly	—
4074EJM/U	1.2K ohm checkout resistor, 620 ohm resistor, and jumper	W7459; W7210; W7212; W7215
4074EJQ/U	Board for panel mounting W7459A	W7459A
50048926-001/U	Economizer Edge Connector Bag Assembly - 2 Position - 20 Piece Pack	W7220A1000, C7400S1000, C7250A1001, C7400A2001, C7400C2007, C7600A2008, C7600C2001
50048926-002/U	Economizer Edge Connectors - 6 Position - 20 Pieces per pack	W7220A1000
50053060-001/U	Duct mounting kit for 2000 series, Sylk bus enthalpy and humidity sensors - 5 kits in a unit pack	C7400A200X, C7600A200X, C7400S and C7600S sensors