MicroMetl	Date:	Weight: 45lbs (US) 20.41kg (Metric)	Part Number: ECD-SRT12CB-D2DH
	RTU:		
Submitted to:		Approved by:	Notes:

Economizer - Economizer - Genesis Ultra Low Leak Economizer, Vertical Orientation, Honeywell Jade W7220 Single/Multiple Speed Electromechanical Controller, Adjustable Dry Bulb Sensor, Honeywell Actuator. Painted Rain Hood With Aluminum Filter, Barometric Relief, All Necessary Panels And Hardware Included. For Differential Return Air Sensor Please Order 9901-2022-DIFF JC2

FOR MODEL NUMBER: 48/50GC 04 - 06; 48/50FC 04 - 07; 48/50GCQ 04 - 06; 48/50FCQ 04 - 07

DETAILS: Model Details

FEATURES:

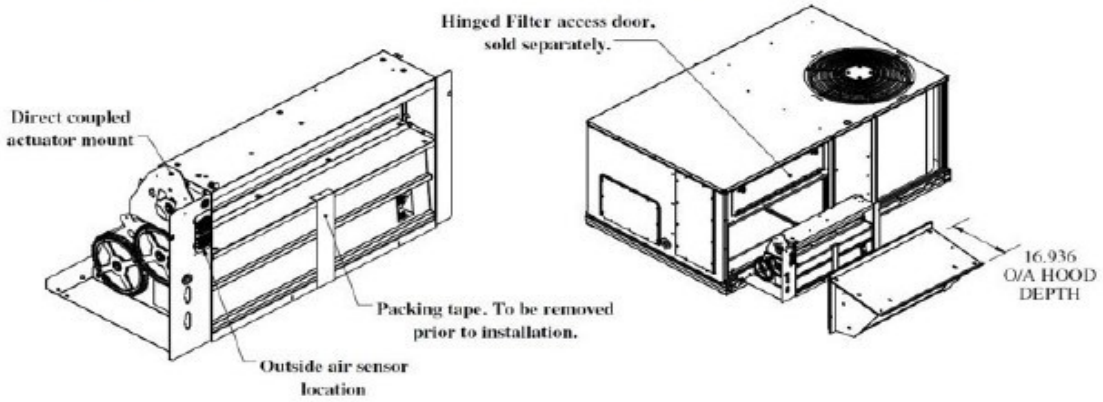
- External gear driven dampers with roll formed blades.
- Factory assembled rain hood, with aluminum water entrainment filters.
- Filter access door supplied with RTU.
- Hinged filter access door if required, sold separately.
  - MMC P/# for Chassis 1 - ECD-SRT1CA-HDOOR
  - MMC P/# for Chassis 2 - ECD-SRT2CA-HDOOR
- All harnesses and plugs needed are supplied.
- Economizer OA and Return dampers are AMCA Class 1A listed.
- Relief damper is AMCA listed.
- Motorized relief available, add -M to end of part number
  - Ex: ECD-SRT12CB-D2DH-M
- Economizer with smoke detector available, add -S to end of part number
  - Ex: ECD-SRT12CB-D2DH-S

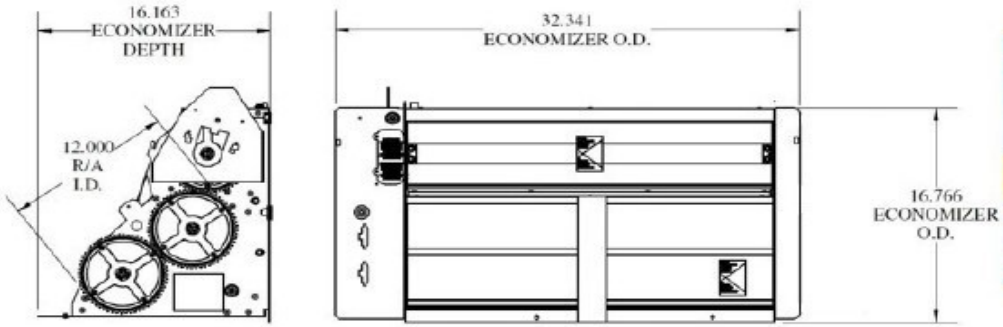
-Control Types	
-D2DH	Honeywell controller, actuator , adjustable drybulb controls
-D2EH	Honeywell controller, actuator, enthalpy controls

* For Differential Sensors, please purchase Kit below:

Differential Sensor Kit - 9901-2022-DIFF JC2

NOTE: The ECD-SRT12CB-D2*H economizer plugs directly into the Vane Axial Unit Control Board (UCB) without the need for jumpers. If installing the economizer on a 48/50 TC, TCQ 03 - 07; 48/50 HC, HCQ A04 - A06; 48/50LC, KC 04 - 06 unit, you will need to remove the harness shipped on the controller and replace it with a 9962-0407 & 9962-0407-SAOAEXT harness ordered separately. For NV customers replace it with a 1002-0407 harness ordered separately.
If using a 48/50JC unit, please order the ECD-SRT12CB-D0DB-4 economizer with Honeywell controls.





Compliant Economizer:

1. **Title 24:** Economizers meet California Energy Commission Title 24-2016 / 2019 prescriptive section 140.4 (damper leakage etc.), and mandatory section 120.2.i for Fault Detection and Diagnostic controls.
2. **ASHRAE 90.1:** Economizers meet ASHRAE 90.1-2019 damper leakage requirements as stated in Table 6.4.3.4.3., and meet 2019 Fault Detection and Diagnosis requirements in section 6.4.3.12.
3. **IECC:** Economizers meet IECC 2018 section C402.4.5.2 and, IECC 2018 sections C403.2.4.3 and C403.3.3.5 for outside air, return air, and relief damper (when provided) leakage requirements, and IECC 2018 section c403.2.4.7 for Fault Detection and Diagnostic requirements.
4. **AMCA:** Outside air and return air (volume) dampers are AMCA Class 1A rated at 1" w.g. Refer to MicroMetl NS2 catalog sheet on web site for details.
   Relief air dampers are also AMCA rated. Refer to GR1 series catalog sheet on web site for details.

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