MicroMetl	Date:	Weight: 74lbs (US) 33.57kg (Metric)	Part Number: ECH-SRT12CB-DCDS
	RTU:		
Submitted to:		Approved by:	Notes:

Economizer - Genesis Ultra Low Leak Economizer, Horizontal Orientation, Siemens POL224.00 Multiple Speed Electromechanical Controller, Adjustable Dry Bulb Sensor, Siemens Actuator. Painted Rain Hood With Aluminum Filter, Barometric Relief, All Necessary Panels And Hardware Included. For Differential Return Air Sensor Please Order KIT-3534-DIFFADB

FEATURES:

- External gear driven dampers with roll formed blades.
- Factory assembled rain hood, with aluminum water entrainment filters.
- Filter access door supplied with Economizer assembly.
- Hinged filter access door if required, sold separately.
  - MMC P/# for Chassis 1 - ECH-SRT12CA-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: ECH-SRT12CB-DCDS-M
- Economizer with smoke detector available, add -S to end of part number
  - Ex: ECH-SRT12CB-DCDS-S

-Control Types	
-DCDS	Siemens controller, actuator , adjustable drybulb controls
-DCES	Siemens controller, actuator, enthalpy controls

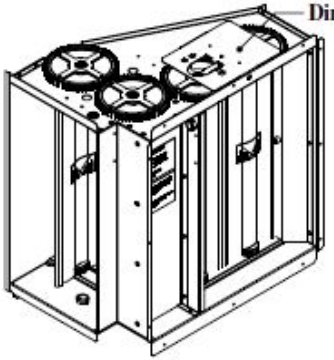
* For Differential Sensors, please purchase Kit below:

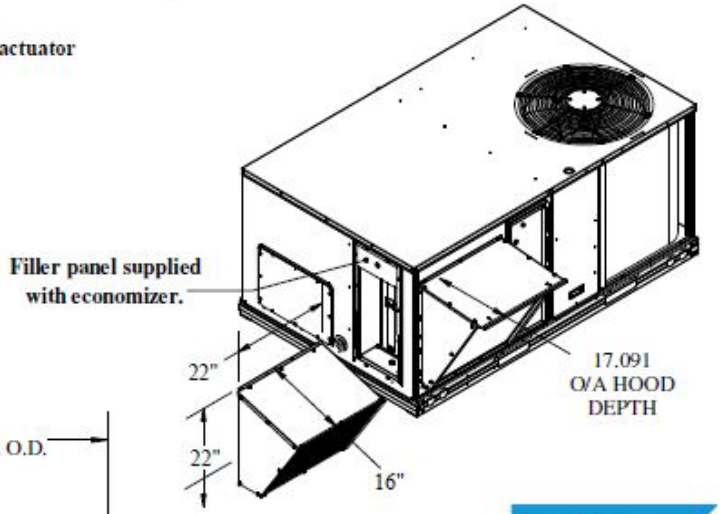
Differential Dry Bulb Kit - KIT-3534-DIFFADB

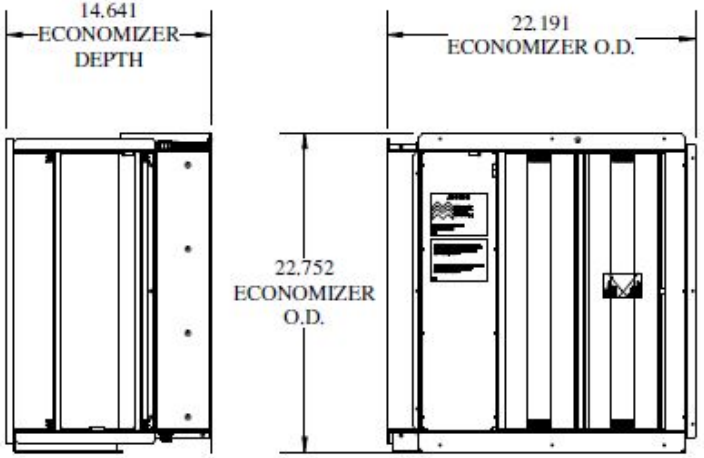
Differential Enthalpy Kit - KIT-3534-DIFFENT

NOTE: The Siemens POL224.00 controller can be programmed using the buttons and the LCD display on the face of the controller or by using with Siemens app which can be found by searching "Climatix "in the app store and requires a Siemens WLAN Stick (Purchased separately - Siemens # POL903.00 or MicroMetl # 9901-5057).
The WLAN stick can be removed after programming and then re-used on other units /controllers. The app and WLAN Stick will allow for easier setup using GPS for automatic parameter setting by climate zone. Contact MicroMetl for the complete Siemens POL224.00 Application Guide.
The Controller is field mounted in the RTU control box.

NOTE: The ECH-SRT12CB-DC*S 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 9962-2020 harness ordered separately. If using a 48/50JC unit, please order the ECH-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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