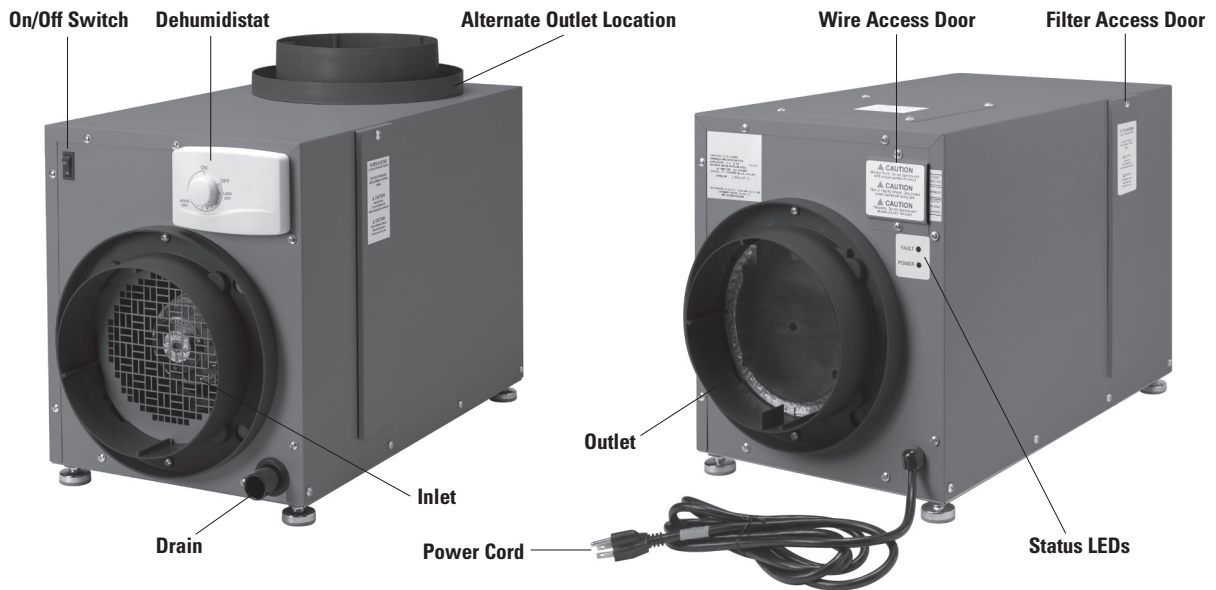
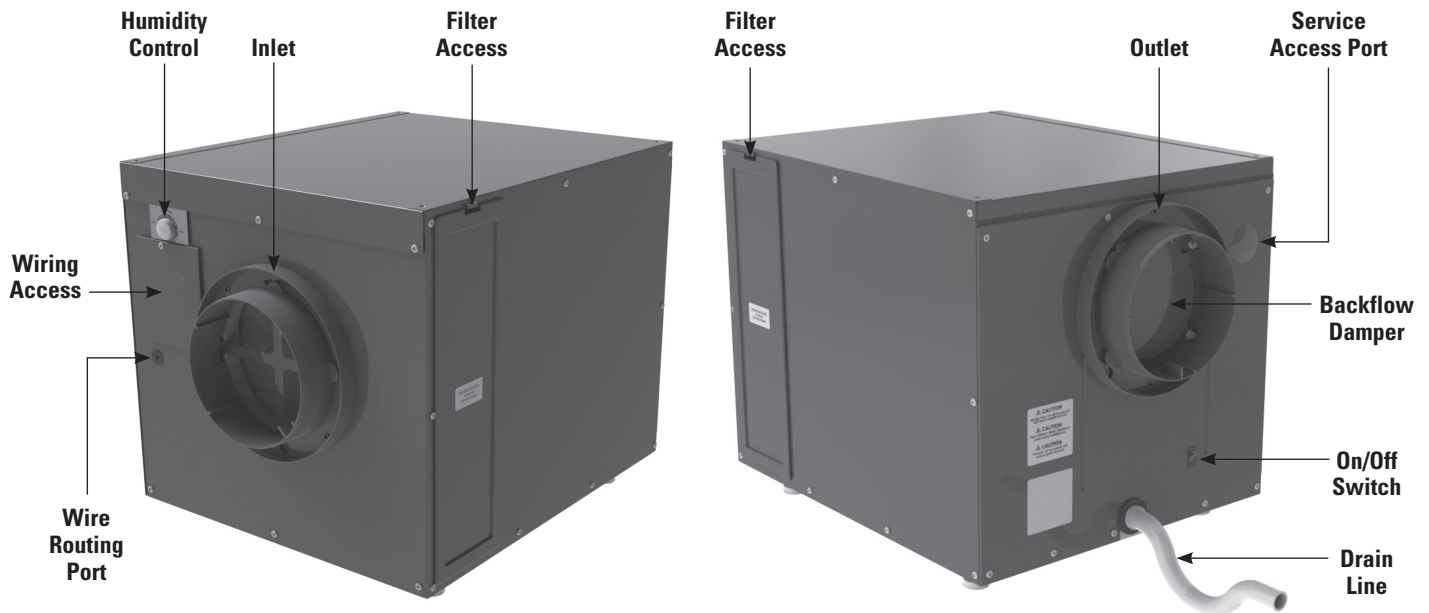


Model S1-CD065T01 Compact Central Dehumidifier



Model S1-CVD090T01 and S1-CVD135T01 Central Ventilating Dehumidifier



- Purchased by homeowners for health, comfort, preservation and energy savings.
- 65 pint unit offers blower activation and it's compact design is made for tight spaces.
- 95 and 135 pint units have built-in ventilation and fan cycling logic.
- Units can be controlled by on-board control or external thermostat.
- All units have built-in back flow damper.
- Made in the U.S.A.

Dehumidifier Specifications

Item	65 Pint Central	90 Pint Central Ventilating	135 Pint Central Ventilating
Capacity (pints/day)	65	90	135
Air Flow	150 cfm @ 0.50 " w.c.	275 cfm @ 0.6 " w.c.	500 cfm @ 0.8 " w.c.
Power	115 VAC, 60Hz, 8A operating	115 VAC, 60Hz, 8A operating	115 VAC, 60Hz, 14A operating
Dimensions	Width: 12.5" cabinet, 13" w/doors	Width: 20.75" cabinet	Width: 20.75" cabinet
	Height: 14.5" cabinet, 17" w/2.5" leveling feet	Height: 20.38" cabinet, 23.62" w/ leveling feet	Height: 20.38" cabinet, 23.62" w/ leveling feet
	Length: 22" cabinet, 27" w/ collars	Length: 24" cabinet, 29" w/ collars	Length: 24" cabinet, 29" w/ collars
Discharge Air	Top or end air discharge	End air discharge only	End air discharge only
Duct Size	8"	8"	8"
Drain Size	0.75"	0.75"	0.75"
Weight	65 lbs.	93 lbs.	100 lbs.
Refrigerant Type	R410A	R410A	R410A
Refrigeration	Capillary tube	TXV	TXV
	Positive cabinet pressure – no p-trap required	Negative cabinet pressure – p-trap required	Negative cabinet pressure – p-trap required
Control	RH	Dew point	Dew point
	Senses at control location	Senses air going through unit	Senses air going through unit
	On Board or remove from unit for wall mount	On board or external control from thermostat	On board or external control from thermostat
	Senses continuously	Air sampling with on board control	Air sampling with on board control
	Mechanical	Electronic sensor	Electronic sensor
	±6% accuracy	±5% accuracy	±5% accuracy
System Options			
Air Cycling	No	Yes	Yes
Ventilation	No	Yes	Yes
HVAC fan on with dehumidifier	Yes	Yes	Yes
LEDs			
System Power	Yes	No	No
Fault Indicator	Yes	Yes	Yes

65 Pint Dehumidifier Operation

Green LED

Activity	Status
ON Solid	Unit has power

Red LED

Activity	Status
ON Solid, blower & compressor not running	Open Float Switch – If no float switch, ensure jumper is installed or repair float switch
ON Solid, blower on but compressor not running	Open High Pressure/Temperature Switch – Likely due to blocked airflow – check filter and ductwork

90 and 135 Pint Dehumidifier Operation and Fault Indicators

Green LED

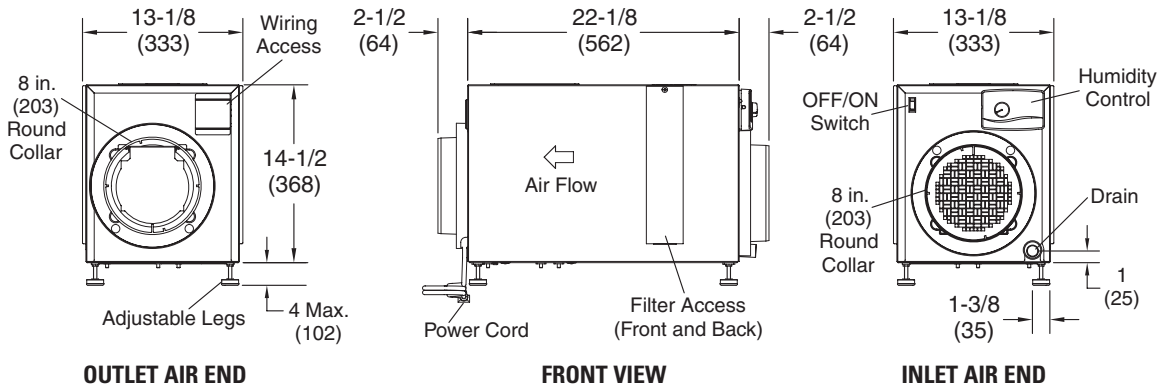
Activity	Status
ON Solid	Compressor ON
Blinking 1 second on, 1 second off	Sampling
Blinking 1/2 second on, 1/2 second off	Defrosting

Red LED

Activity	Status
1 Blink every 5 seconds*	RH sensor fault. RH sensor non-existent, erratic or reads out of 0% –100% range.
2 Blinks every 5 seconds*	Temperature sensor fault. Temperature sensor non-existent, erratic or reads out of -20°F –150°F range.
3 Blinks every 5 seconds*	Model 70 communication error. Model 70 not communicating with dehumidifier control board.
4 Blinks every 5 seconds	Insufficient capacity. After 120 minutes of compressor operation, the frost sensor temperature is not at least 10°F below the inlet air temperature.
5 Blinks every 5 seconds	Inlet air temperature out of range. Internal temperature sensor reads out of 50°F –105°F range for compressor operation. NOTE: If compressor is on when fault condition occurs, the compressor will turn off. If the compressor is not on when the fault condition occurs, there is no fault.
6 Blinks every 5 seconds	Frost sensor failure. Frost temperature sensor nonexistent, erratic or reads out of -20°F –150°F range.
7 Blinks every 5 seconds	Float switch open. Open circuit between float switch inputs.

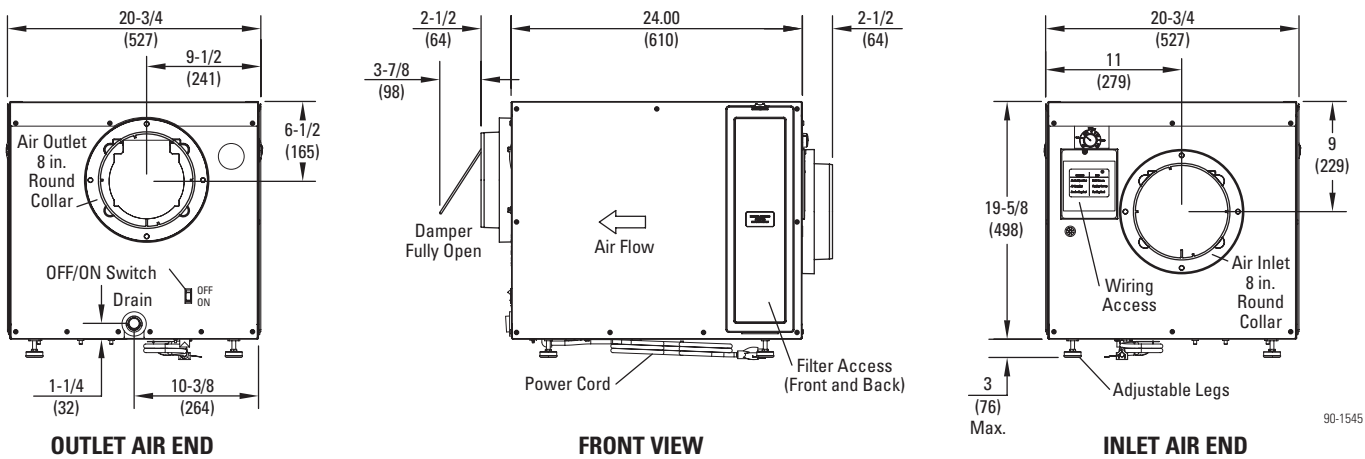
*This fault code is not active when using an external thermostat to control the dehumidifier's operation.

Dimensions, Model S1-CD065T01 Compact Central Dehumidifier



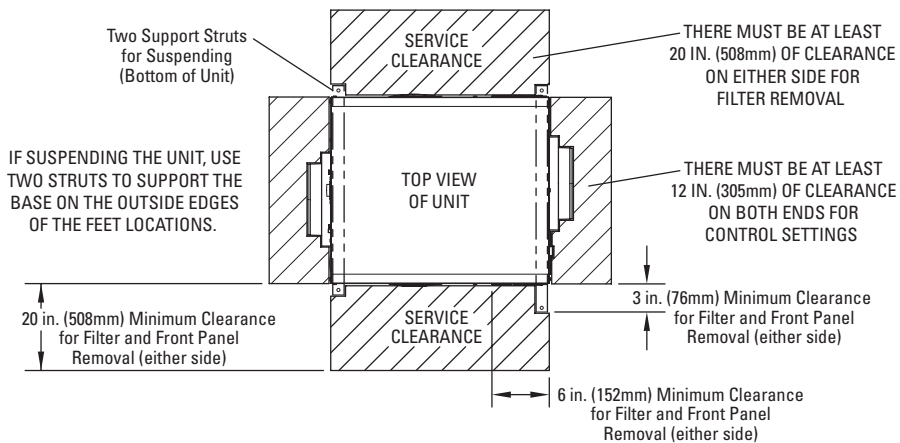
90-1502

Dimensions, Model S1-CVD090T01 and S1-CVD135T01 Central Ventilating Dehumidifier



90-1545

Suspending and Service Clearance



90-1545