



Choosing a Model

ZRT® & ZRT-S

Ceiling-mount ZRT for on-demand and optional continuous ventilation.

ZRT-FR & ZRT-FRS

Ceiling-mount ZRT for on-demand and optional continuous ventilation; with UL Classified Ceiling Radiation Damper.

ZRT-W & ZRT-WS

Wall-mount ZRT for on-demand and optional continuous ventilation.

ZRT-W-FR & ZRT-W-FRS

Wall-mount ZRT for on-demand and optional continuous ventilation; with UL Classified Fire Damper.

ZRT-IL

In-line zone terminal for duct installation; for on-demand and optional continuous ventilation.

ZRT-PDIL & ZRT-PDIL-HP

Parallel damper in-line zone terminal for duct installation; two-position pressure-independent terminals for on-demand and automatic min/max airflow balancing in standard and high-pressure applications.

ZRT-3PDIL & ZRT-3PDIL-HP

Three parallel damper in-line zone terminal for duct installation; three-position pressure-independent terminals for on-demand and automatic min/max airflow balancing in standard and high-pressure applications.

MODEL NAME		Us	SE	MOUNTING			GRILLE	CEILING RADIATION OR FIRE DAMPER	
	Description	Exhaust	Supply	Ceiling	Wall	In-line	INCLUDED	INCLUDED	
	ZRT [®] Zone Register Terminal	х		x			х		
ii ii	ZRT-S Zone Register Terminal		х	x			х		
	ZRT-FR Zone Register Terminal with Ceiling Radiation Damper	х		x			х	Х	
	ZRT-FRS Zone Register Terminal with Ceiling Radiation Damper		х	Х			Х	Х	
	ZRT-W Wall-Mount Zone Register Terminal	x			Х		Х		
	ZRT-WS Wall-Mount Zone Register Terminal		Х		Х		Х		
	ZRT-W-FR Wall-Mount Zone Register Terminal with Fire Damper	x			Х		Х	Х	
	ZRT-W-FRS Wall-Mount Zone Register Terminal with Fire Damper		х		Х		Х	Х	
	ZRT-IL In-Line Zone Terminal	х	х			x			
	MODEL NAME Description	SETP	SETPOINTS		MOUNTING		STATIC P	PRESSURE RANGE	
	Description	2	3	Ceiling	Wall	In-line	Standard	High	
	ZRT-PDIL	х				Х	Х		
	ZRT-PDIL-HP	х				х		Х	
	ZRT-3PDIL		Х			х	х		
	ZRT-3PDIL-HP		Х			х		х	

Notes: Wireless Communication Relays are an optional accessory; see **Page 11** for more information. Exhaust or Supply use is determined by the orientation of the CAR-II(s).

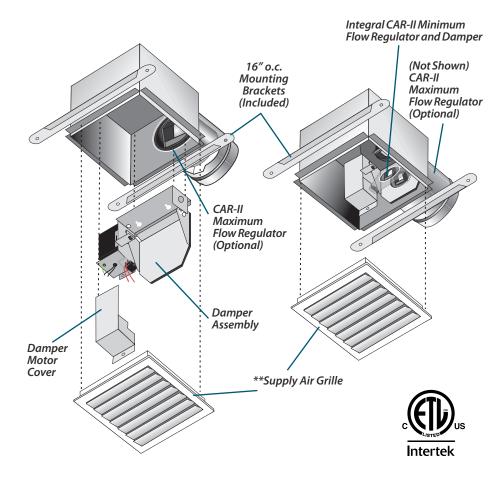
Ceiling Mount ZRT's® ZRT & ZRT-S Models Ceiling-mount ZRT for on-demand and optional continuous ventilation

Product Details

- Used in both large and small systems.
- Patented* ZRT® model.
- Automatically operated with up to four different control schemes.
- Ceiling-mount to accomodate new or existing construction.
- 24 VAC, 120 VAC, or 230 VAC wiring.
- -1 models provide on-off control for on-demand ventilation, allowing central fan downsizing and promotes energy savings.
- -2 models can be used for combination low-flow indoor air quality ventilation and on-demand high-flow spot ventilation using the same central fan system.
- Optional Constant Airflow Regulators (CAR-II) used to prevent noise and excessive energy consumption caused by over-ventilation, as well as fluctuations in airflow rates as total system pressure varies.
- White aluminum grille and mounting brackets included.
- ETL Safety Listed (3101377).

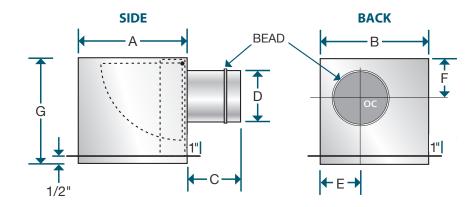
ZRT-1 & ZRT-S-1

ZRT-2 & ZRT-S-2



*U.S. Pat. No. 7,766,734

**ZRT-S model supplied with Supply Grille (shown). ZRT® model supplied with Exhaust/Return Grille (not shown).



SIZE	Α	В	С	D	Е	F	G
4"	8"	8"	4-1/2"	3-7/8"	2-1/2"	3-1/2"	7"
6"	10"	10"	5-1/2"	5-7/8"	3-1/2"	4-1/2"	8-1/2"

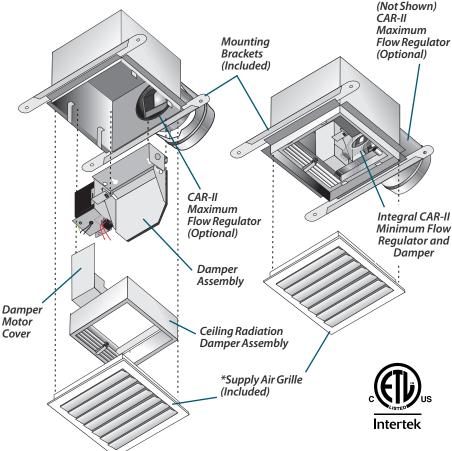
ZRT's® with Ceiling Radiation Damper Models

ZRT -FR & ZRT-FRS Models Ceiling-mount ZRT for on-demand and optional continuous ventilation; with UL Classified Ceiling Radiation Damper

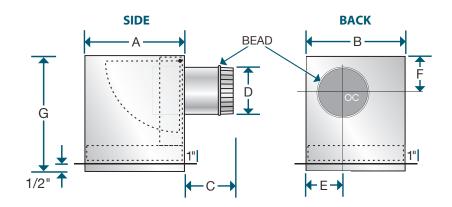
Product Details

- Used in both large and small systems.
- Includes a 3-hour ceiling radiation damper.
- Automatically operated with up to four different control schemes.
- Ceiling-mount to accommodate new or existing construction.
- 24 VAC or 120 VAC wiring.
- -1 models provide on-off control for ondemand ventilation, while minimizing necessary horsepower and ventilation-induced heating and cooling loads on the building.
- -2 models can be used for combination low-flow indoor air quality ventilation and on-demand high-flow spot ventilation using the same central fan system.
- Optional Constant Airflow Regulators (CAR-II)
 used to prevent noise and excessive energy
 consumption caused by over-ventilation, as well
 as fluctuations in airflow rates as total system
 pressure varies.
- White aluminum grille and mounting brackets included.
- ETL Safety Listed (3101377) and UL Classified Ceiling Radiation Damper (R15858).

ZRT-FR-1 & ZRT-FRS-1 ZRT-FR-1 & ZRT-FRS-2 (Not Sho CAR-II)



*ZRT-FRS model supplied with Supply Grille (shown). ZRT-FR model supplied with Exhaust/Return Grille (not shown).

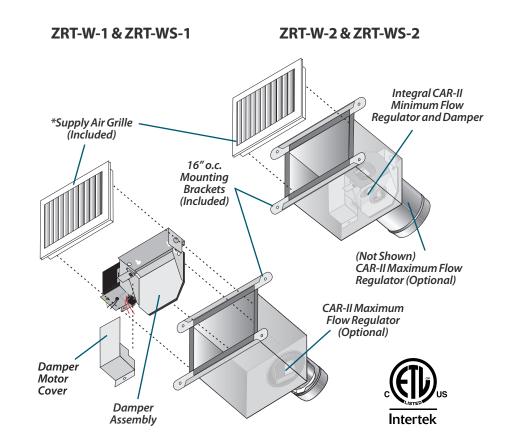


SIZE	Α	В	С	D	Е	F	G
4"	8"	8"	4-1/2"	3-7/8"	3″	3″	9-1/4"
6"	10"	10"	5-1/2"	5-7/8"	4"	4"	11-1/8"

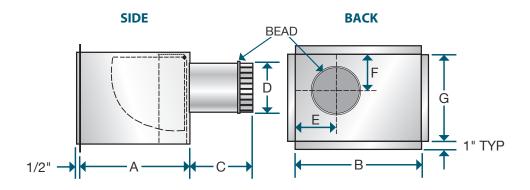


Product Details

- Used in both large and small systems.
- Automatically operated with up to four different control schemes.
- Wall-mount configure.
- 24 VAC or 120 VAC wiring.
- -1 models provide on-off control for on-demand ventilation, allowing central fan downsizing and promotes energy savings.
- -2 models can be used for combination low-flow indoor air quality ventilation and on-demand high-flow spot ventilation using the same central fan system.
- Optional Constant Airflow Regulators (CAR-II) used to prevent noise and excessive energy consumption caused by over-ventilation, as well as fluctuations in airflow rates as total system pressure varies.
- White aluminum grille and mounting brackets included.
- ETL Safety Listed (3101377).



*ZRT-WS model supplied with Supply Grille (shown). ZRT-W model supplied with Exhaust/Return Grille (not shown).



SIZE	Α	В	С	D	D E		G
4"	7-1/2"	8"	4-1/2"	3-7/8"	2-1/2"	3-1/2"	6-1/4"
6"	9"	10"	5-1/2"	5-7/8"	3-1/2"	4-1/2"	8"

Wall Mount ZRT's® with Fire Dampers

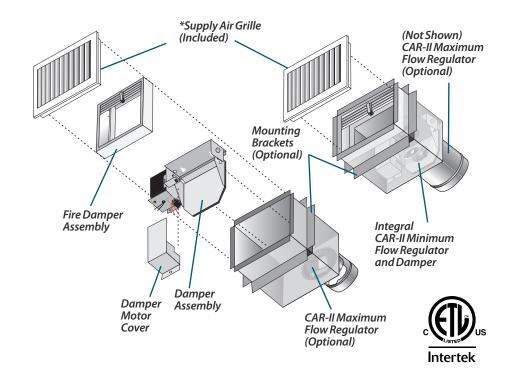
ZRT-W-FR & ZRT-W-FRS Models Wall-mount ZRT for on-demand and optional continuous ventilation; with UL Classified Fire Damper

Product Details

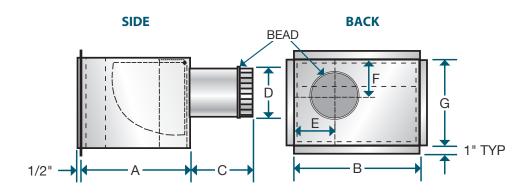
- Used in both large and small systems.
- Includes a 3-hour ceiling radiant damper.
- Automatically operated with up to four different control schemes.
- Wall-mount configure.
- 24 VAC or 120 VAC wiring.
- -1 models provide on-off control for ondemand ventilation, while minimizing necessary horsepower and ventilation-induced heating and cooling loads on the building.
- -2 models can be used for combination low-flow indoor air quality ventilation and on-demand high-flow spot ventilation using the same central fan system.
- Optional Constant Airflow Regulators (CAR-II)
 used to prevent noise and excessive energy
 consumption caused by over-ventilation, as well
 as fluctuations in airflow rates as total system
 pressure varies.
- White aluminum grille included and mounting brackets optional.
- ETL Safety Listed (3101377) and UL Classified
 Fire Damper (R14128).

ZRT-W-FR-1 & ZRT-W-FRS-1

ZRT-W-FR-2 & ZRT-W-FRS-2



*ZRT-W-FRS model supplied with Supply Grille (shown). ZRT-W-FR model supplied with Exhaust/Return Grille (not shown).



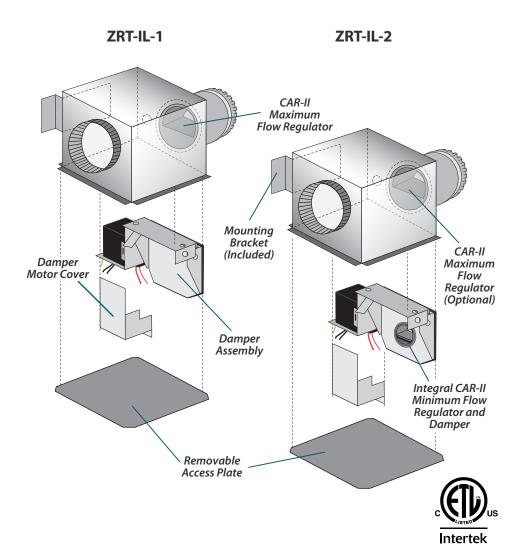
SIZE	Α	В	С	D	Е	F	G
4"	9-3/4"	8"	4-1/2"	3-7/8"	3″	3"	6-1/4"
6"	11-1/4"	10"	5-1/2"	5-7/8"	4"	4"	8"

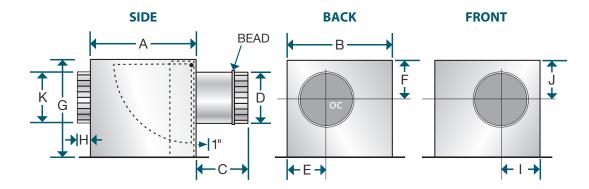
In-Line Zone Terminal

ZRT-IL Models In-line zone terminal for duct installation; for on-demand and optional continuous ventilation

Product Details

- Used in both large and small systems.
- Automatically operated with up to three different control schemes.
- In-line mounting configuration to provide versatile installation options such as above drop ceilings, between ceiling joints, or within a small soffit location.
- The ZRT-IL can be ordered in a supply or exhaust ventilation configuration.
- 24 VAC or 120 VAC wiring.
- -1 models provide on-off control for on-demand ventilation, allowing central fan downsizing and promotes energy savings.
- -2 models can be used for combination low-flow indoor air quality ventilation and on-demand high-flow spot ventilation using the same central fan system.
- Optional Constant Airflow Regulators (CAR-II)
 used to prevent noise and excessive energy
 consumption caused by over-ventilation, as well
 as fluctuations in airflow rates as total system
 pressure varies.
- Removable access plate and mounting brackets included.
- ETL Safety Listed (3101377).





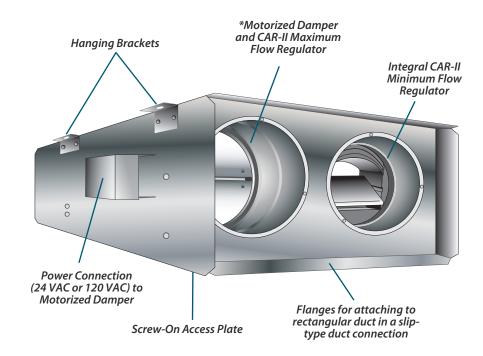
SIZE	Α	В	C	D	E	F	G	Н	1	J	K
4"	8"	8"	4-1/2"	3-7/8"	2-1/2"	3-1/2"	6-1/2"	1-3/4"	2-1/2"	3-1/2"	3-7/8"
6"	10"	10"	5-1/2"	5-7/8"	3-1/2"	4-1/2"	8"	1-3/4"	3-1/2"	4-1/2"	5-7/8"

Parallel Damper In-Line Zone Terminals

ZRT-PDIL & ZRT-PDIL-HP Models Parallel damper in-line zone terminal for duct installation; two-position pressure-independent terminals for on-demand and automatic min/max airflow balancing in standard and high-pressure applications

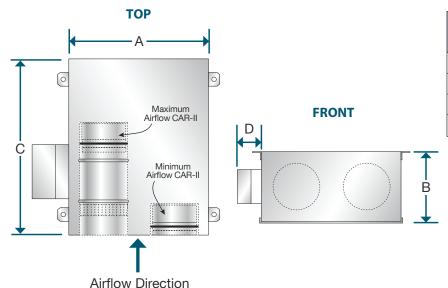
Product Details

- Used in both large and small systems.
- Allows for selection between a continuous, regulated low airflow rate, and an on-demand, regulated high airflow rate.
- Replaces individual fans or variable air volume (VAV) terminals.
- Two-position pressure-independent terminal with a control damper and integral passive regulators (CAR-II).
- Constant Airflow Regulators (CAR-II) are used to prevent noise and excessive energy consumption caused by over-ventilation, as well as fluctuations in airflow rates as total system pressure varies.
- Controls ventilation in multi-family dwellings, classrooms, large spaces, and provides makeup air for laboratories.
- In-line mounting configuration allows installation in a duct system.
- Can be used in a supply or exhaust configuration.
- 24 VAC or 120 VAC wiring.
- Removable access plate and hangging brackets included.
- ETL Safety Listed (3101377).





*ZRT-PDIL-HP models use CAR-II-HP flow regulators.



SIZE	CAR-II D	_	D	C	D		
(Duct)	Min	Max	Α	В	C	U	
12" x 6"	4"	4"	12"	6"	19-5/8"	3-1/8"	
16" x 8"	6"	6"	16"	8"	21-5/8"	3-1/8"	
20" x 10"	8"	8"	20"	10"	23-5/8"	3-1/8"	
24" x 12"	10"	10"	24"	12"	25-5/8"	3-1/8"	

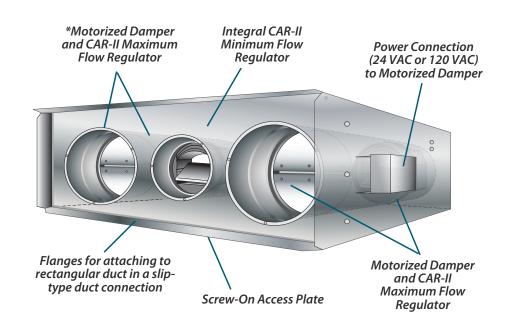
3 Parallel Damper In-Line Zone Terminals

ZRT-3PDIL & ZRT-3PDIL-HP Models Three parallel damper in-line zone terminal for duct installation; three-position pressure-independent terminals for on-demand and automatic min/max airflow balancing in standard and high-pressure applications

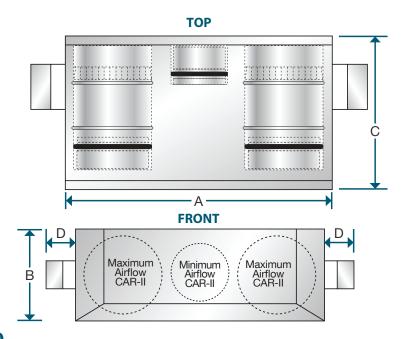
Product Details

- Used in both large and small systems.
- Allows for selection between low-flow, mediumflow, and high-flow ventilation rates.
- Replaces individual fans or variable air volume (VAV) terminals.
- Three-position pressure-independent terminal with two control dampers and integral passive regulators (CAR-II).
- Constant Airflow Regulators (CAR-II) are used to prevent noise and excessive energy consumption caused by over-ventilation, as well as fluctuations in airflow rates as total system pressure varies.
- Two motorized dampers can be powered separately to allow for three distinct airflows or powered in parallel for two distinct airflows.
- In-line mounting configuration allows installation in a duct system.
- Can be used in a supply or exhaust configuration.
- 24 VAC or 120 VAC wiring.
- Removable access plate and hangging brackets included.
- ETL Safety Listed (3101377).

*ZRT-3PDIL-HP models use CAR-II-HP flow regulators.





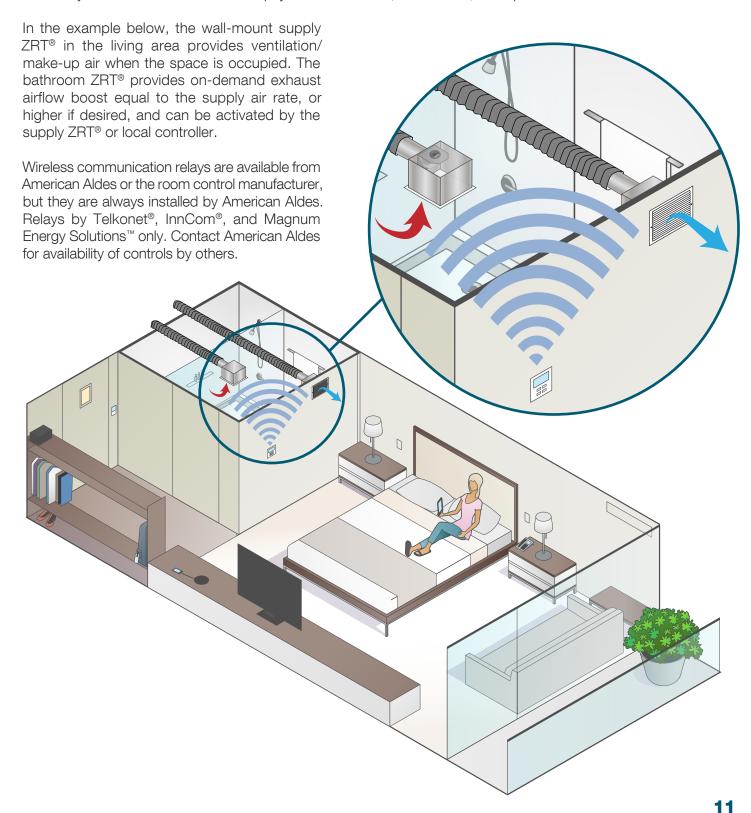


SIZE	CAR-II	Λ	D	С	D	
(Duct)	Min Max A B		В	C	U	
28" x 10"	6"	(2) 8"	28"	10"	24-5/8"	3-1/8"
30" x 10"	8"	(2) 8"	30"	10"	24-5/8"	3-1/8"
34" x 12"	8"	(2) 10"	34"	12"	26-5/8"	3-1/8"
36" x 12"	10"	(2) 10"	36"	12"	26-5/8"	3-1/8"

Zone Register Terminals

with Wireless Communication Relays

Zone Register Terminals (ZRT®) are available with wireless communication relays that respond to occupancy-based control systems. These solutions are aptly suited for hotels, dormitories, and apartments.



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