

CSC-2000 Series Reset Volume Controllers

Description

The pneumatic CSC-2000 series are designed for use on VAV terminal units in HVAC systems. These are differential-pressure, sub-master controllers with adjustable minimum and maximum airflow settings. A master controller, typically a room thermostat, resets the CSC-2000 velocity setpoint.

Direct acting models are for normally open VAV terminal units. Reverse acting are for normal closed VAV terminal units.

Each is equipped with separate adjustment knobs for minimum and maximum airflow settings. All models should be calibrated with the use of airflow measuring equipment.



With 0–10 Molded Plastic Dial (Mount with Face Up Only)



Models

The table below illustrates the appropriate model for each application. If replacing a CSC-2001-22 or
CSC-2002-22 (now obsolete), use the CSC-2001, CSC-2002, CSC-2003, or CSC-2004 and mount appropriately.

Direct Acting (Beige Controllers) for Normally Open Dampers								
	Thermostat Required		Setpoint Range		Reset Pressure		0–10 Molded	
Model	For Cooling	For Heating	Minimum	Maximum	Band	Air Consumption	Plastic Dial	
CSC-2001	Direct Acting	Reverse Acting	0 to 1.0" wc (249 Pa)	Min. plus 1.0" wc (249 Pa)	8 ±0.5 to 13 psig (55 ±3.5 to 90 kPa)	14.4 scim @ 20 psig (3.93 mL/s @ 138 kPa)	Yes	
CSC-2003						14.4 scim @ 20 psig (3.93 mL/s @ 138 kPa)	No molded plastic dial— has paper label instead	
CSC-2007						11.5 scim @ 20 psig (3.1 mL/s @ 138 kPa)		
CSC-2009			0 to 2.0" wc (498 Pa)	Min. plus 2.0" wc (498 Pa)		14.4 scim @ 20 psig (3.93 mL/s @ 138 kPa)		
CSC-2017						11.5 scim @ 20 psig (3.1 mL/s @ 138 kPa)		
Reverse Acting (Gray Controllers) for Normally Closed Dampers								
Model	Thermostat Required		Setpoint Range		Reset Pressure		0–10 Molded	
	For Cooling	For Heating	Minimum	Maximum	Band	Air Consumption	Plastic Dial	
CSC-2002	Reverse Acting	Direct Acting	0 to Max	0 to 1.0" wc (249 Pa)	3 ±0.5 to 8 psig (21 ±3.5 to 55 kPa)	14.4 scim @ 20 psig (3.93 mL/s @ 138 kPa)	Yes	
CSC-2004						14.4 scim @ 20 psig (3.93 mL/s @ 138 kPa)	No molded plastic dial— has paper label instead	
CSC-2008						11.5 scim @ 20 psig (3.1 mL/s @ 138 kPa)		
CSC-2010			0 to Max	0 to 2.0" wc (498 Pa)		14.4 scim @ 20 psig (3.93 mL/s @ 138 kPa)		
CSC-2018						11.5 scim @ 20 psig (3.1 mL/s @ 138 kPa)		

Specifications and design subject to change without notice.

Details



The controllers are position sensitive. The min. and max. flow limits must be set (calibrated) in the same position the controller will be mounted. The CSC-2001/2002 (with molded plastic dials) must be mounted horizontally with dials facing up. The CSC-2003 through CSC-2018 may be mounted horizontally (preferred), with the adjustment knobs up or down, or mounted vertically.

KMC Controls, Inc.

Flow sensors

SSS-1000 Series

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