

Description and Application

These CSC-3000 series reset volume controllers are designed for use on heating or cooling systems with (normally open or normally closed) VAV terminal units and (direct or reverse acting) thermostats.

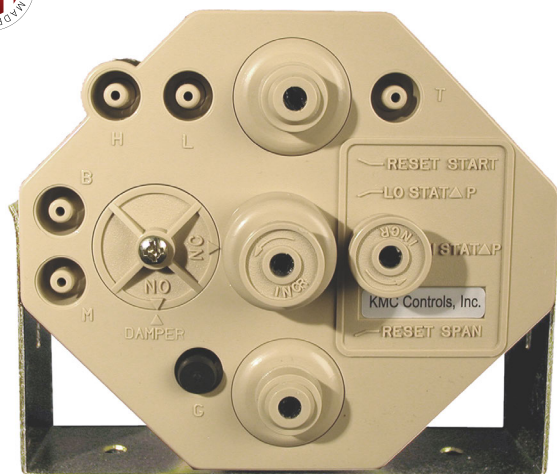
They are sub-master air velocity controllers. Each is equipped with separate adjustment knobs for minimum and maximum airflow setpoints. Models are available with various reset start points. A master controller, typically a room thermostat, resets the CSC-3000 between the minimum and maximum velocity setpoints.

The universal design of the CSC-3000 series is intended for new or replacement applications that call for direct or reverse acting reset on normally open or normally closed VAV terminal units.

*(These specifications do **not** apply to the CSC-3014/3501/3505.)



RoHS
COMPLIANT



Models

NOTE: See also [Model Selection Chart on page 2](#).

CSC-3011-10	0 to 1" range, 8 psi start
CSC-3016-10	0 to 2" range, 8 psi start
CSC-3017-16	(Identical to the CSC-3011-10 but does not come with a mounting bracket or KMC logo.)
CSC-3021-10	0 to 1" range, 3 psi start
CSC-3023-10	0 to 1" range, 10 psi start
CSC-3025-10	0 to 2" range, 8 psi start (high flow, for Trane® units)
CSC-3026-10	0 to 2" range, 3 psi start

NOTE: CSC-3000 series controllers are position sensitive. They must be mounted and calibrated in either the horizontal or vertical plane.

For the discontinued **CSC-3014** and **CSC-3501/3505** models, **see their separate data sheets**. For replacement information, see the CSC Controller Cross-Reference.

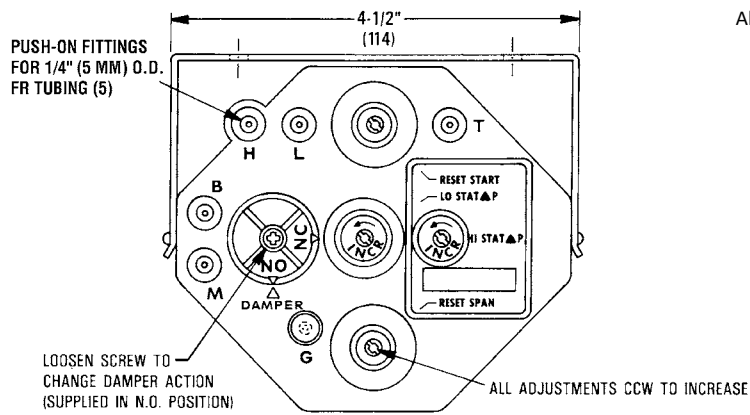
Features

- ◆ Adjustable direct or reverse acting reset (normally open or normally closed damper settings)
- ◆ Adjustable minimum and maximum setpoints
- ◆ Available in 0 to 1" and 0 to 2" wc differential pressure ranges
- ◆ Available with factory-set 3, 8, or 10 psi reset start points (field-adjustable 0–10 psi if necessary)
- ◆ See [Specifications on page 2](#) for more details

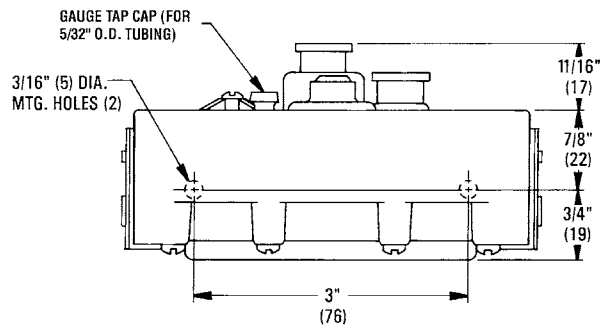
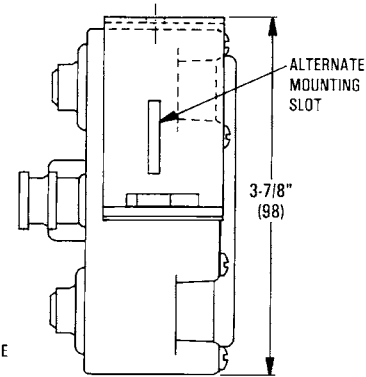
Accessories/Repair Parts

HFO-0006	In-line control-air filter
HFO-0014	G port rubber cap replacement
HMO-4508	Mounting bracket
ICI-1005	Pressure gauge
SSS-1002	Flow sensor, one sensing point, 3-5/32" (80 mm) length
SSS-1003	Flow sensor, two sensing points, 5-13/32" (137 mm) length
SSS-1004	Flow sensor, three sensing points, 7-21/32" (195 mm) length
SSS-1005	Flow sensor, four sensing points, 9-29/32" (252 mm) length

Details



All dimensions are in inches (mm).



⚠ CAUTION

Pneumatic devices must be supplied with clean, dry control air. Any other medium (e.g., oil or moisture contamination) will cause the device to fail.

Specifications

Model Selection Chart						
Model #	Reset Start Point Factory Set (all field-adjustable 0–10 psi)*	Differential Pressure	Min. Setpoint	Max. Setpoint	Output Sensitivity	Air Consumption
CSC-3011-10	8 psi (55 kPa)	0 to 1.0" wc (249 Pa)	0 to 1.0" wc (249 Pa)	Min. to 1.0" wc (249 Pa)	5 psi/0.02" wc (35 kPa/5 Pa)	28.8 scim @ 20 psi (7.87 mL/s @ 138 kPa)
CSC-3017-16**						
CSC-3021-10						
CSC-3023-10	10 psi (69 kPa)	0 to 2.0" wc (498 Pa)	0 to 2.0" wc (498 Pa)	Min. to 2.0" wc (498 Pa)	5 psi/0.04" wc (35 kPa/10 Pa)	
CSC-3026-10	3 psi (21 kPa)					
CSC-3016-10	8 psi (55 kPa)					
CSC-3025-10		46.1 scim @ 20 psi (12.59 mL/s @ 138 kPa)				
*Reset span, for all models, is factory-set at 5 psi (34.5 kPa), adjustable between 0 and 10 psi (0 and 69 kPa).						
**The CSC-3017-16 is identical to the CSC-3011-10, but it does not come with a mounting bracket or the KMC logo.						

Damper Action	Factory set @ NO, field adjustable for NC or NO
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Thermostat Action	Direct or reverse action for heating or cooling
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Main Air Pressure 15 to 30 psi (103 to 207 kPa)

Max. Signal Pressure 6" wc (1493 Pa) applied to either port (H or L)

Reset Span	Factory-set @ 5 psi (34.5 kPa), adjustable between 0 and 10 psi (0 and 69 kPa) if necessary
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Material	Flame-retardant plastic
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Temperature Limits

Operating	40 to 120° F (4 to 49° C)
Shipping	−40 to 140° F (−40 to 60° C)

Weight 11 oz. (312 grams)

Approvals RoHS compliant

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