

Field Controls MG-1 or M+MG2 draft controls with FTS-4 thermal safety switch when installed in same room as appliance **with adequate make up air** and at same level of chimney opening can be used with Z-Vent® ONLY when vented gas appliance manufacturer's installation instructions, local codes/official (gas company and/or city inspector) and Field Controls allow it for use on the gas fired appliance. **Field Controls MG-1 or M+MG2 draft controls are NOT to be installed on a forced draft, Category III or IV appliances or any positive pressure vent system. FTS-4 thermal safety switch must be electrically interlocked with appliance safety circuit so any trip (opening) of switch will shut down appliance.**

Follow Field Controls (below links) and appliance manufacturer's installation instructions when installing draft control and thermal switch.

[VIEW - Type MG-1 Draft Control Installation Manual](#)

[VIEW - Type M+MG2 Draft Control Installation Manual](#)

[VIEW - FTS Installation Manual](#)

Follow these instructions when installing Field Controls draft control and thermal switch using Z-Vent® adaptor with tee.

Z-Flex® recommends the installation of a listed (see below link for reference) carbon monoxide detector with alarm be installed in the same space as this draft control.

[Article - CO Alarms in Every Home](#)

Table 1. Technical Details and Dimensions (see Figures 2, 3 or 4)

Field Controls			Z-Vent®						"L" TOTAL Installed Length (in.)	"L1" ADAPTOR Installed Length (in.)	"L2" CLEARANCE FTS & Draft Control (in.)
Draft Control		Thermal Safety Switch	Single Wall		Double Wall Snap		Double Wall ZV-Clamp				
Model	Part Number	Model (Part Number)	Adaptor	Tee	Adaptor	Tee	Adaptor	Tee			
			Part Number	Part Number	Part Number	Part Number	Part Number	Part Number			
4" MG-1	46198901	FTS-4 (01170004)	2SVFCBA04	2SVST04	2SVDFCBA04	2SVDT04			11.5	2.5	4.5
5" MG-1	46210701		2SVFCBA05	2SVST05	2SVDFCBA05	2SVDT05			11.5	2.5	4.5
6" MG-1	02724001	FTS-4 setpoint is 140°F. Do not use draft control on any appliance with flue gas temperature less than 155°F.	2SVFCBA06	2SVST06			2SVDFCBA06V	2SVDT06V	11.9375	2.6875	4.5
7" MG-1	01804401		2SVFCBA07	2SVST07			2SVDFCBA07V	2SVDT07V	12.625	3.375	4.5
8" MG-1	01986501		2SVFCBA08	2SVST08			2SVDFCBA08V	2SVDT08V	13.5	4.375	4.5
9" MG-1	02715901		2SVFCBA09	2SVST09			2SVDFCBA09V	2SVDT09V	14.25	5.125	4.5
10" M+MG2	01950201		2SVFCBA10	2SVST10			2SVDFCBA10V	2SVDT10V	16.125	4.375	5
12" M+MG2	01952701		2SVFCBA12	2SVST12			2SVDFCBA12V	2SVDT12V	18.5	5.75	6
14" M+MG2	01986901		2SVFCBA14	2SVST14			2SVDFCBA14V	2SVDT14V	22.25	7.125	7
16" M+MG2	01987001		2SVFCBA16	2SVST16			2SVDFCBA16V	2SVDT16V	25	8.375	8
18" M+MG2	01987101		2SVFCBA18	2SVST18			2SVDFCBA18V	2SVDT18V	27.625	8.25	9
20" M+MG2	01988601		2SVFCBA20	2SVST20			2SVDFCBA20V	2SVDT20V	30.375	9.625	10
24" M+MG2	01967701		2SVFCBA24	2SVST24			2SVDFCBA24V	2SVDT24V	36	12.375	12

DEFINITIONS

WARNING

Indicates a potentially hazardous situation which, if ignored, can result in death, serious injury or substantial property damage.

WARNING

These instructions are to be used to supplement Field Controls (Type MG-1 or Type M+MG2 Draft Control and FTS) Installation Manuals, appliance manufacturer's installation instructions and Z-Vent® Installation instructions. A qualified installer must install venting systems in accordance with all these documents, local building codes or in absence of local codes latest edition of National Fuel Gas Code; ANSI Z223.1/NFPA 54 in USA or CAN/CGA-B149.1 or .2 in Canada. Consult appliance manufacturer's installation instructions or Professional Engineer for venting system approval and to resolve any conflicts.

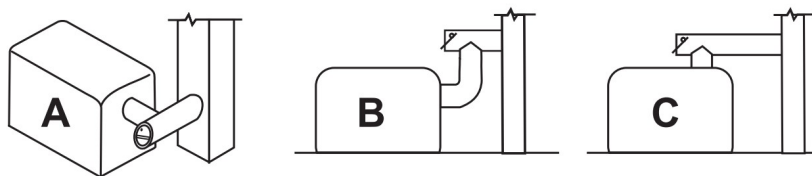
WARNING

Do not use draft control on any appliances with flue gas temperature less than 155F as the setpoint of FTS-4 thermal safety switch is 140F.

Z-Vent® Tee and Adaptor & Field Controls: Draft Control and Thermal Switch Assembly Instructions - See Figures 2, 3 or 4.

1. Follow Field Controls Installation Manuals to ensure vent layout positions draft control in best location for gas (see Figure 1) and meets clearance noted in Table 1.

Figure 1. Best Locations for Gas - From Field Controls Installation Manual



2. Follow Z-Vent® Special Gas Vent Installation Guide to install gasketed end of Z-Vent® adaptor to male end of mating Z-Vent® tee.

Z-Vent® Special Gas Vent Installation Guide

3. Apply continuous bead approximately 1/8" diameter of included high temperature RTV silicone between adaptor/draft control overlapping joint.
4. Ensure Draft Control Gate (damper) pivot is level, in a horizontal plane and Z-Vent® adaptor mounting holes are on top and bottom.
5. Secure Draft Control to Z-Vent® adaptor with included 1/2" long stainless steel screws.
6. Smooth sealant around joint, apply more sealant if required.
7. Ensure screws and sealant do not hinder gate movement.

Figure 2. Z-Vent® Single Wall: Tee 2SVST__ and Adaptor 2SVFCBA__ & Field Controls: Draft Control and Thermal Switch Assembly

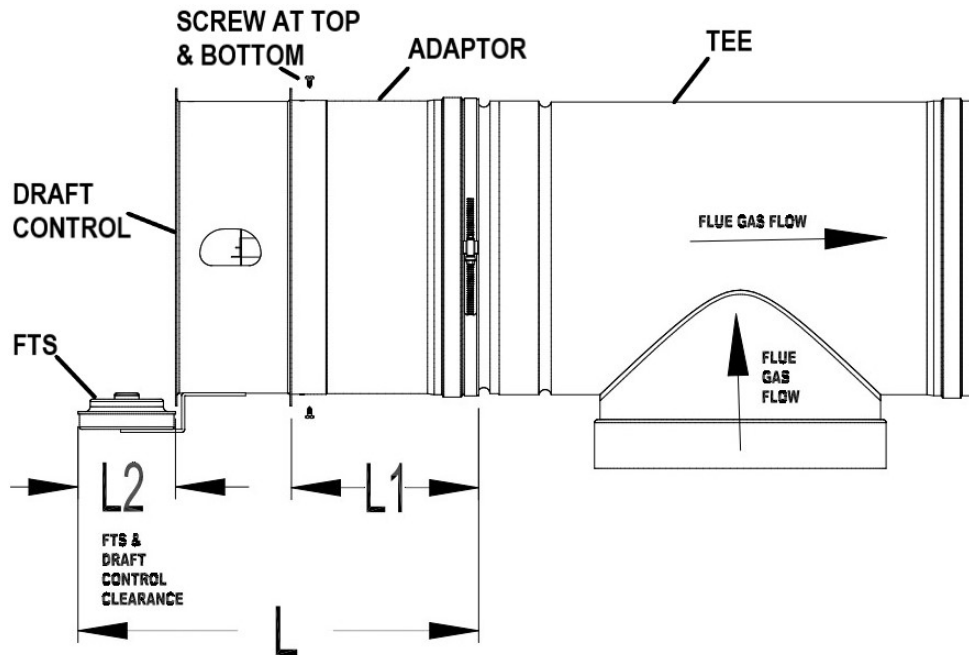
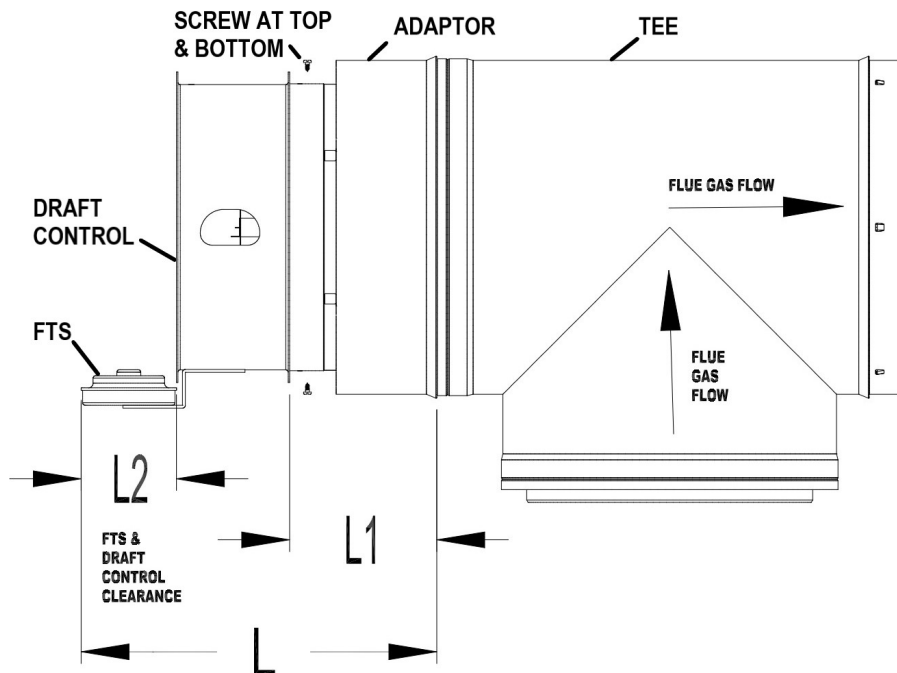


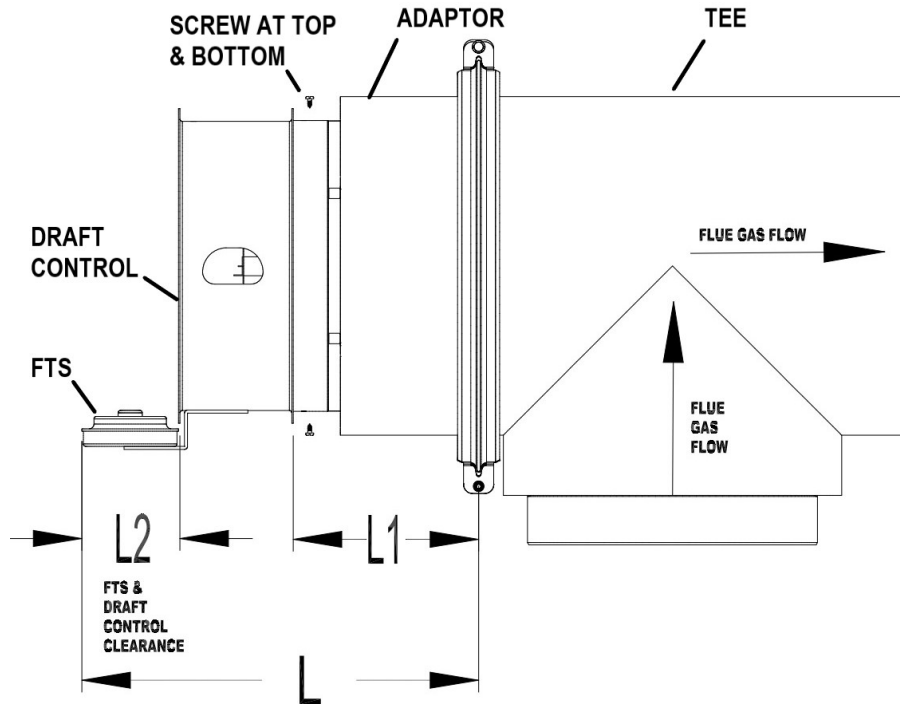
Figure 3. Z-Vent® Double Wall Snap Lock: Tee 2SVDT__ and Adaptor 2SVDFCBA__ & Field Controls: Draft Control and Thermal Switch Assembly



Draft Control Supplemental Instructions



Figure 4. Z-Vent® Double Wall ZV-Clamp: Tee 2SVDT__V and Adaptor 2SVDFCBA__V & Field Controls: Draft Control and Thermal Switch Assembly



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- # Information subject to change without notice.
- # Install carbon monoxide detector and alarm(s) in accordance with local codes.
- # Contact Z-Flex® for any additional information.

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