

VTSX14 VTSX18 VTSX24 VTSX36 VTSX48

Accutrol Representative: CCUTROL

≷LLC

21 Commerce Dr

Danbury, CT 06810

Tel: 203-445-9991

accutrolllc.com

SUBMITTAL DRAWING

VTSX12

VTSX14

VTSX18

VTSX24

VTSX36

VTSX48

11.88

13.88

17.88

23.88

35.88

47.88

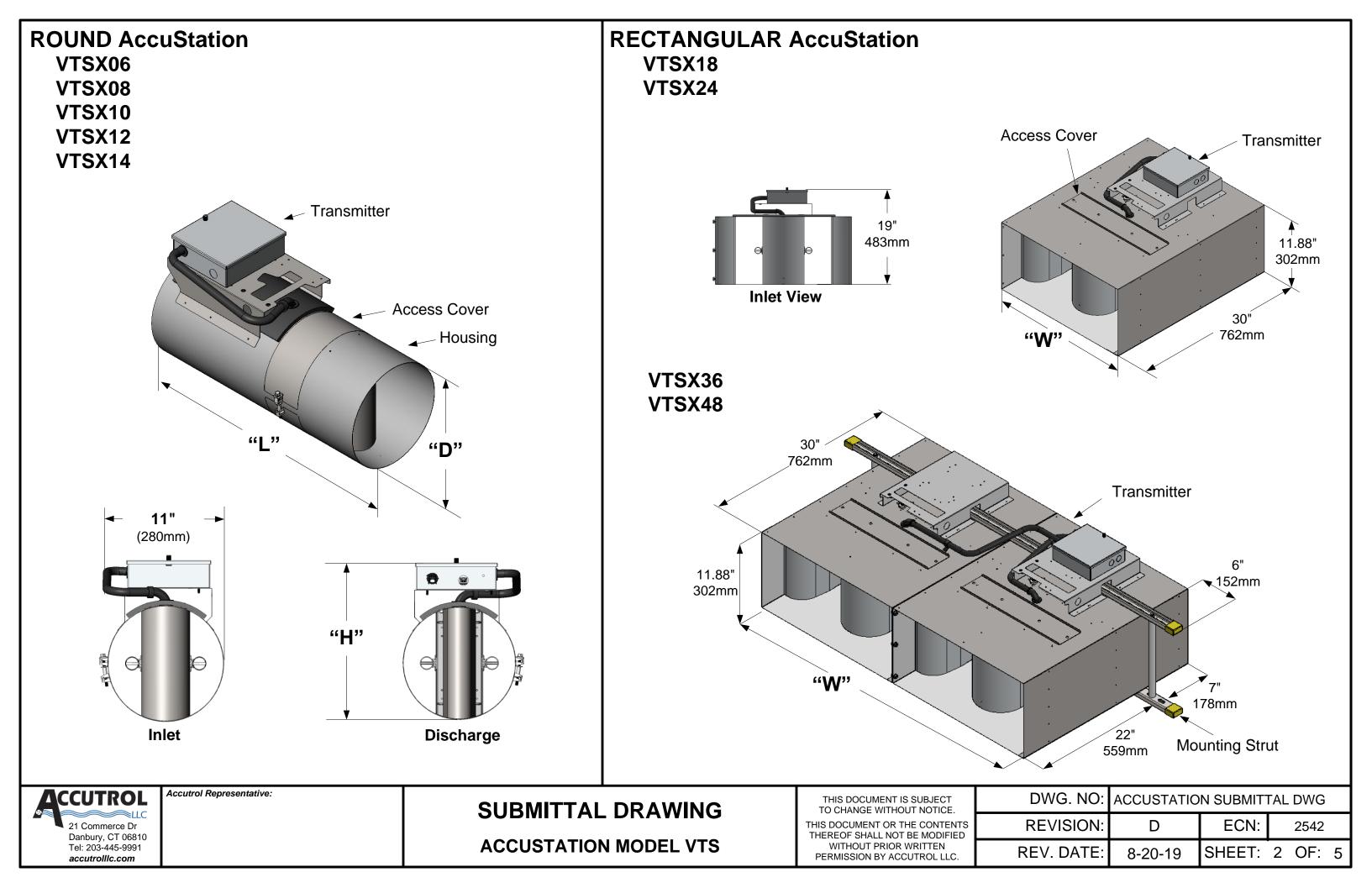
ACCUSTATION MODEL VTS

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THIS DOCUMENT OR THE CONTENTS THEREOF SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN PERMISSION BY ACCUTROL LLC.

d	t to the Airstream					
	(3) 316SS	(4) Aluminum				
	316 Stainless Steel	Al. Alloy 5052-H32				
	316 Stainless Steel	Al. Alloy 5052-H32				
	316 Stainless Steel	Al. Alloy 5052-H32				
	316 Stainless Steel	Galvanized Steel				
	Polycarbonate Plastic, UL94-V0	Polycarbonate Plastic, UL94-VO				
	Polyurethane, Ether-based	Polyurethane, Ether-based				
	Viton Rubber	EPDM Rubber				
	316SS	304SS				

et 2)		Weight				
"H"		Stainless Steel		Aluminum		
in.	mm	Lbs.	kg	Lbs.	kg	
10	254	11	5.0	7	3.2	
13	330	12	5.4	8	3.6	
15	381	16	7.3	10	4.5	
17	432	22	10.0	12	5.4	
19	483	25	11.3	15	6.8	
19	483	37	16.8	20	9.1	
19	483	43	19.5	23	10.4	
19	483	88	39.9	50	22.7	
19	483	98	44.5	58	26.3	

DWG. NO:	ACCUSTATION SUBMITTAL DWG				
REVISION :	D	ECN:		2542	
REV. DATE:	8-20-19	SHEET:	1	OF:	5



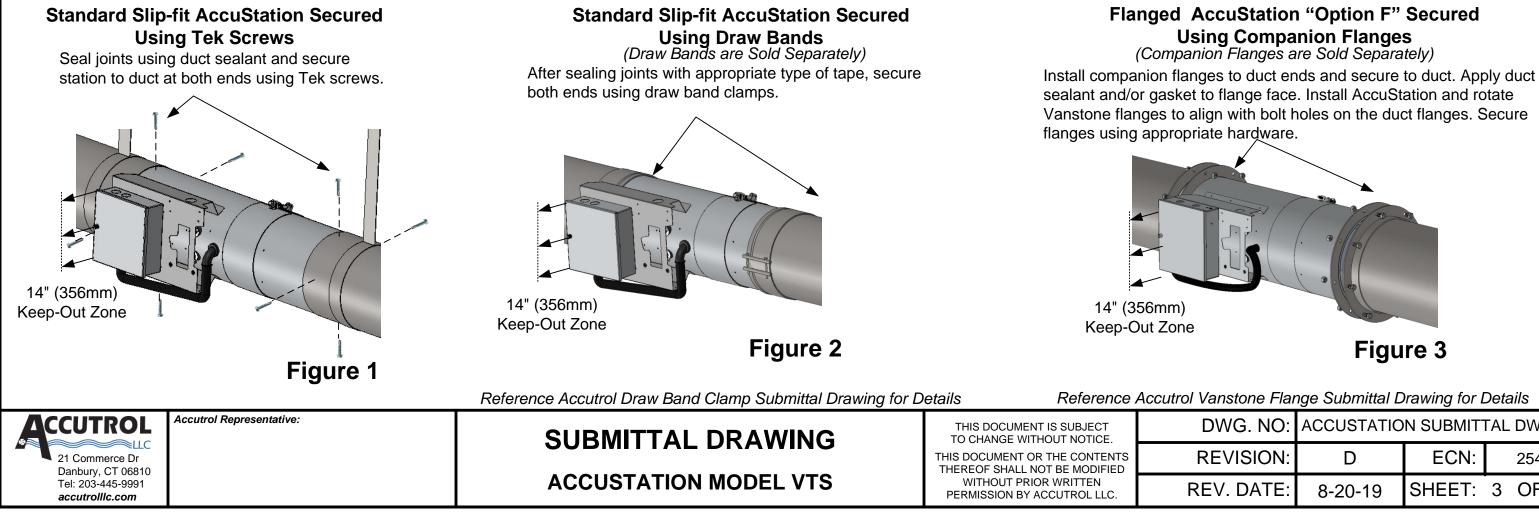
ROUND: INSTALLATION INSTRUCTIONS

1. Read all instructions prior to beginning installation.

NOTE: For detailed installation instructions, refer to the AccuStation Installation & Operation Manual.

- 2. Verify the tag number located on the AccuStation label matches the HVAC schedule.
- 3. Locate the duct section which the AccuStation is servicing and select a suitable mounting location for it. **NOTES:** The AccuStation does not require straight inlet duct runs to operate properly, however it's always best to locate the AccuStation away from transitions and bends to minimize impact on system static pressure. Be sure to select a location that will provide a minimum clearance of 14 inches (356 mm) unobstructed access to the transmitter and access cover. The AccuStation is not position sensitive. It can be installed in any plane or rotational axis without having impact on the performance.
- 4. Provide an opening in the selected duct section sized appropriately for the AccuStation being installed. **NOTE:** A slip-fit AccuStation will require an opening approximately 2" (50.8 mm) smaller than the AccuStation length, whereas a flanged AccuStation will require an opening the same length as the AccuStation. Reference Sheet 1 for AccuStation dimensions.
- 5. Install duct hangers within 12 inches (305 mm) from each end of the AccuStation. Reference Sheet 1 for AccuStation weights.
- WARNING: Use duct hangers and hardware designed to support the total load of AccuStation and associated duct sections. Failure to do so may result in serious personal injury or death.
- 6. Install the AccuStation into the duct in accordance with the Airflow Direction Label located on the AccuStation. Position the AccuStation for easy access to the transmitter side then secure to duct per the appropriate Figure below.

NOTE: Screws, nuts, fasteners, duct sealant, hangers, and gaskets are not provided by Accutrol LLC.



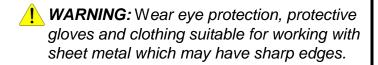


Figure 3

DWG. NO:	ACCUSTATION SUBMITTAL DWG				
REVISION :	D	ECN:		2542	
REV. DATE:	8-20-19	SHEET:	3	OF:	5

RECTANGULAR: INSTALLATION INSTRUCTIONS

1. Read all instructions completely before installing the AccuStation.

WARNING: Wear eye protection, protective gloves and clothing suitable for working with sheet metal which may have sharp edges.

2. Verify the tag number located on the AccuStation label matches the HVAC schedule.

3. Select optimum mounting location for the AccuStation.

NOTE: The AccuStation does not require straight inlet duct runs to operate properly, however it's always best to locate any duct device away from transitions and bends to minimize impact on system static pressure.

4. Allow a minimum clearance of 14 inches (356 mm) unobstructed access to the transmitter, and access cover.

NOTE: Rectangular AccuStations are normally installed with the "access side" facing downwards for easy access. However, the AccuStation is not position sensitive. It can be installed in any plane or rotational axis without having impact on the performance.

5. To support the weight of the AccuStation, install duct hangers within 12 inches (305 mm) of AccuStation connections. The 12"x36" and 12"x48" AccuStations include an integral mounting strut which shall be used to support the AccuStation in addition to the duct hangers. Reference Sheet 1 for AccuStation weights.

WARNING: Use duct hangers and hardware designed to support the total load of the AccuStation and associated duct sections. Failure to do so may result in serious personal injury or death.

6. After the duct section is properly supported to carry the weight of the AccuStation, install into the duct in accordance with the Airflow Direction Label located on the AccuStation. Position AccuStation so the transmitter, actuator and access cover are easily accessible. For 12x36" and 12x48" AccuStations, attach the integral mounting bracket to threaded rod or duct hangers capable of supporting AccuStation weight.

7. Reference the appropriate diagram to the right for installation details. NOTE: Screws, nuts, fasteners, duct sealant, hangers, companion flanges and gaskets are not provided by Accutrol LLC.

Accutrol Representative:

Duct Support Figure 1 **Standard Slip-fit** AccuStation Using **Tek Screws** AccuStation

Duct

Support

Figure 2

Flanged AccuStation "Option F" Using **Companion Flanges**

> Figure 3 12x36" and 12x48" **AccuStations**

Mountina Struts

WARNING: Dual AccuStations are provided with an integral mounting strut to help support the weight of the AccuStation. In addition to supporting the duct within 12" of the AccuStation, each end of the integral mounting strut shall be secured to the building structure using properly rated hardware and methods in accordance with local building codes. Failure to do so may result in serious personal injury or death.

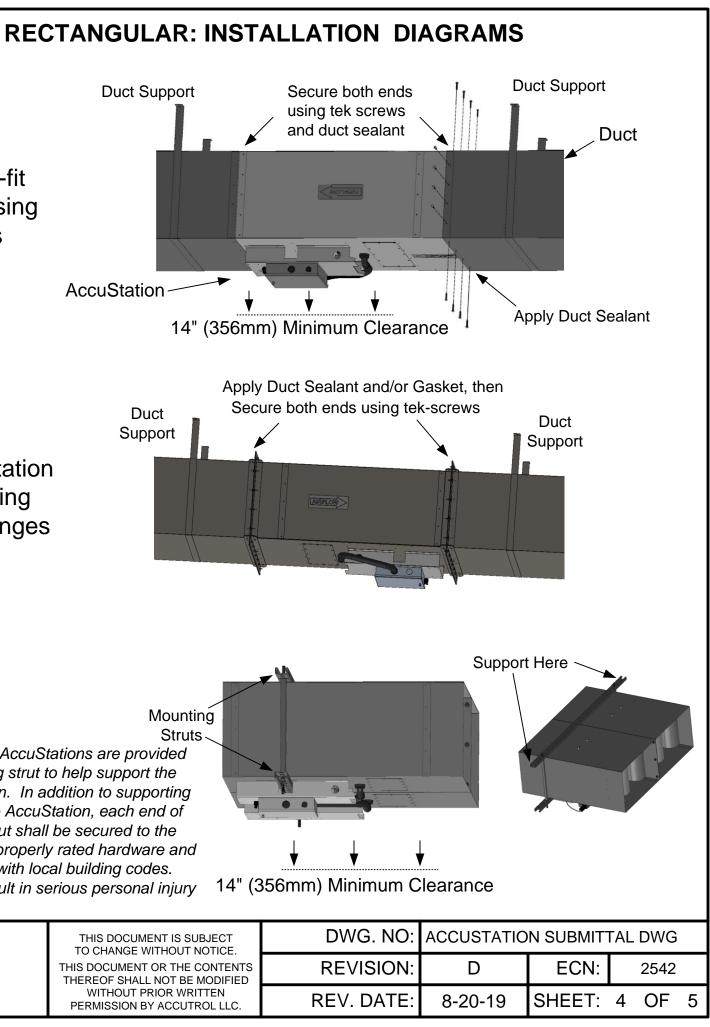


THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THIS DOCUMENT OR THE CONTENTS THEREOF SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN PERMISSION BY ACCUTROL LLC



ACCUSTATION MODEL VTS





TRANSMITTER WIRING INSTRUCTIONS

Connect the power wires to the Transmitter per the diagram.

- **CAUTION:** Maintain polarity if the power source is used to power multiple devices otherwise equipment may be damaged.
- **CAUTION**: Do not use the transmitter enclosure as a junction box. The only wires entering the transmitter enclosure shall be wires connected to the transmitter otherwise equipment may be damaged.

Optional BACnet MS/TP Module

Connect the 2-wire EIA 485 BACnet MS/TP bus to the transmitter per the diagram. Network bias and EOL termination are not provided by the transmitter.

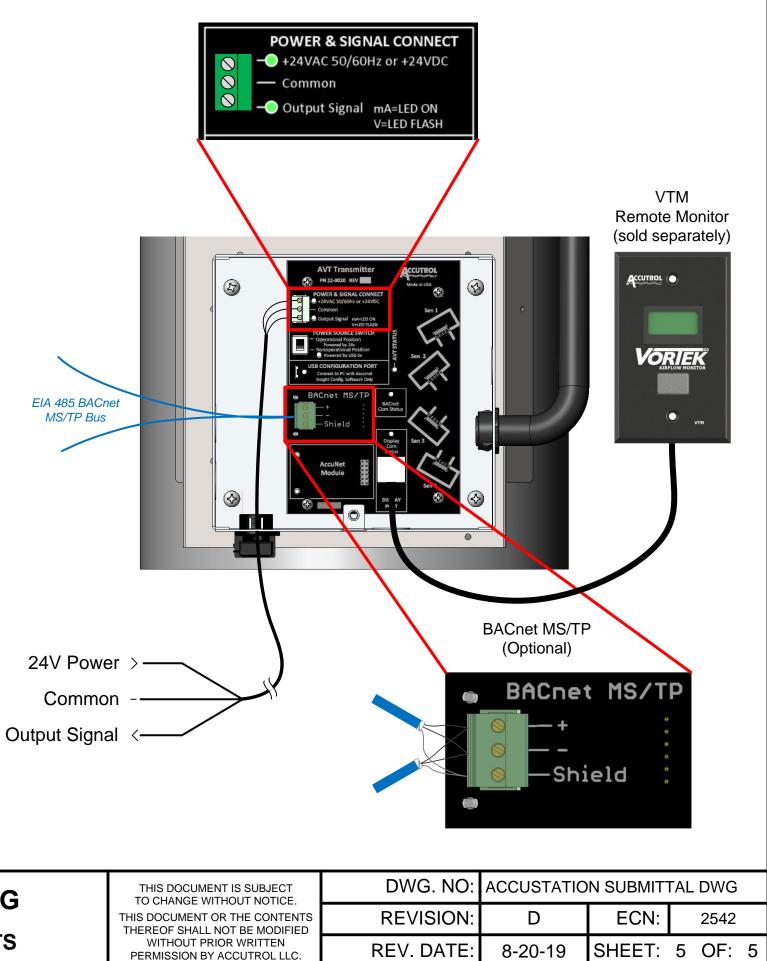
Remote Monitor VTM (Sold Separately)

Plug one end of the factory cable into the back of the remote monitor and plug the other end into the transmitter Display Port.

WARNING: During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. This work shall be performed by a licensed electrician or qualified individual who has been properly trained in handling live electrical equipment. Failure to follow all electrical safety precautions when exposed to live electrical components may result in serious injury or death.

TRANSMITTER ELECTRICAL SPECIFICATIONS

Power Supply:	24 VAC +/- 20% 50/60 Hz, 4 VA max (8.5 VA max with remote monitor) 24 VDC +/- 10% 1.5 W max (3.5 W max with remote monitor)	
Output Signal:	0-20mA, 4-20mA, 0-10V, 2-10V, 0-5V, or 1-5V (Software Config.) 12-bit Resolution	
	Capable of driving 1K-ohm load	
Configuration:	USB Type C Connector	
Power Source Switch:	Selects alternate power source for configuration when main power is not available by drawing 5V from PC connected to USB config. port	
BACnet MS/TP (Optional):	EIA 485 2-wire BACnet MS/TP, Galvanically Isolated Data Rates 9600, 19200, 38400, 57600, 76800 and 115200	C
	1/8 Unit Load Receiver Input Impedance	
	Network bias and EOL Termination not provided within the Transmitter	
Remote Monitor (Sold Separately):	LCD, 2 lines x 8 characters with white LED backlight Includes USB Configuration Port and Factory Cable	
Terminal Plugs:	3-position, vertical pluggable, screw on top, wire size 12-30 AWG	



Accutrol Representative: CUTROI

≥LLC

21 Commerce Dr

Danbury, CT 06810

Tel: 203-445-9991

accutrolllc.com

SUBMITTAL DRAWING

ACCUSTATION MODEL VTS