

AVS-MZTS Series Controller

ADVANCED VARIABLE SPEED MULTI-ZONE

Description

ZOO Fans' Advanced Variable Speed Multi-Zone Touchscreen Controller features a 2.8" high-resolution, color touchscreen that can control multiple zones of fans individually, or all at once, from this easy-to-operate, wall-mounted User Interface.

Technical Overview and Operation

ZOO Fans' AVS-MZTS Controller is configured at the factory to support the number of zones required. A separate I/O Data Acquisition Module is provided for every four zones, paired with a Triac or transformer-based speed controller for each zone. The touchscreen allows the user to select either all zones, or a particular zone, and control on/off and fan speed simultaneously for all zones, or just in the particular zone selected.

User Interface

Mounting	Standard 2 X 4 Job Box or External Wall Mount
Power Input	24VDC, Provided by Control Cabinet
Zones	Controls 4 or 8
Zone Control	Simultaneously or Each Individual Zone Separately
Display	Thin Film Transistor, Liquid-Crystal LED Display

Electrical Table

Model	Input Power
AVS-MZTS-4	1Ph – 115V 3Ph – 208V
AVS-MZTS-8	1Ph – 115V 3Ph – 208V

TouchScreen

TOUCH SCREEN USER INTERFACE FOR MULTI-ZONE CONTROLLER



Multi-Zone Control Cabinet

Mounting	Electrical Panel with Removeable Sub-Panel	Amps	20 to 30*
Dimensions	20"L X 20"W X 6"H	Speed	Adjustment Microprocessors
Weight	50 lbs (approximate, depends on configuration)	Data	I/O Acquisition Module(s)
Input	3Ph – 208V, 1Ph – 115V	Touch Screen Power Supply	24VDC
Output	1Ph – 115V, 208V	*Contact ZOO Fans for larger system details.	
Control Options	BAS, Manual TouchScreen		

Speed Controllers

Part #	Description	Quantity
AVS-MZTS-__	Advanced Variable Speed Multi-Zone Touch Screen	
- 4	4 - Zones	
- 8	8 - Zones	
Input Voltage		Select One
1Ph – 115V	115V Single Phase Input power	
3Ph – 208V	208 3-Phase Input power	
Control Option		Select One
BAS – Analog	BAS – Analog 0-10VDC Input Control	
BAS – Digital	BAS – Modbus digital RS-485 Control	
Manual	Multi-Zone Touch Screen User Interface	

Project

Job Name:				Date:	
Job Address:					
City:		State:		ZIP:	
Architect:					
Engineer:					
Contractor:					
Comments:					

