



## Installation Guide

### ZOO Fans VSPOT-10K Potentiometer



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# ZOO FANS VSPOT-10K SPECIFICATIONS

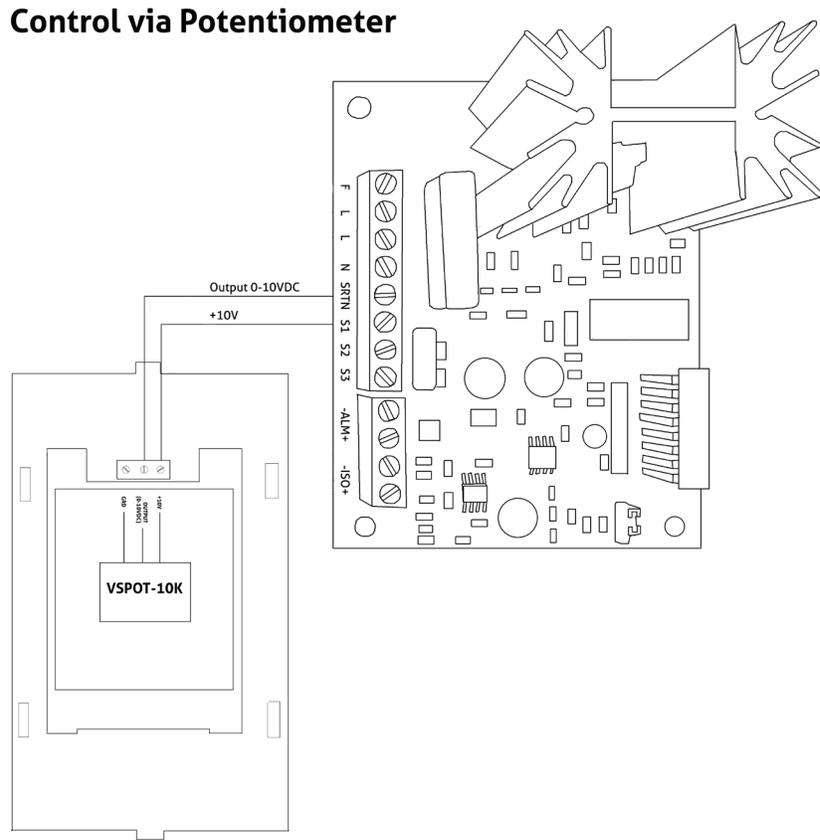
Model	Width/Length	Ohms	Input (Optional)	Control Output	Description
VSPOT-10K	2" X 4"	10K	10VDC	0-10VDC	10K Ω Potentiometer

## WIRING THE POTENTIOMETER

### Option 1: Wiring VSPOT-10K to AVS-7.5A

**IMPORTANT NOTE:** Refer to the AVS-7.5A Installation Guide for complete wiring instructions and configuration settings for use with the VSPOT-10K.

To wire the VSPOT-10K to the AVS-7.5a controller, connect the Potentiometer according to the diagram in *Figure 1* below:



*Figure 1*

## WIRING THE POTENTIOMETER (cont.)

- Mount in standard 2X4 electrical job box.
- Polarity is not a factor when connecting the two leads from the Potentiometer to the “S1” and “SRTN” terminals.
- Electrical connection should be made according to the wiring diagram. (see *Figure 1*, on Page 2)
- Mount the controller so that the fan it controls is visible from the controller.
- To control multiple fans with one controller, please contact ZOO Fans.

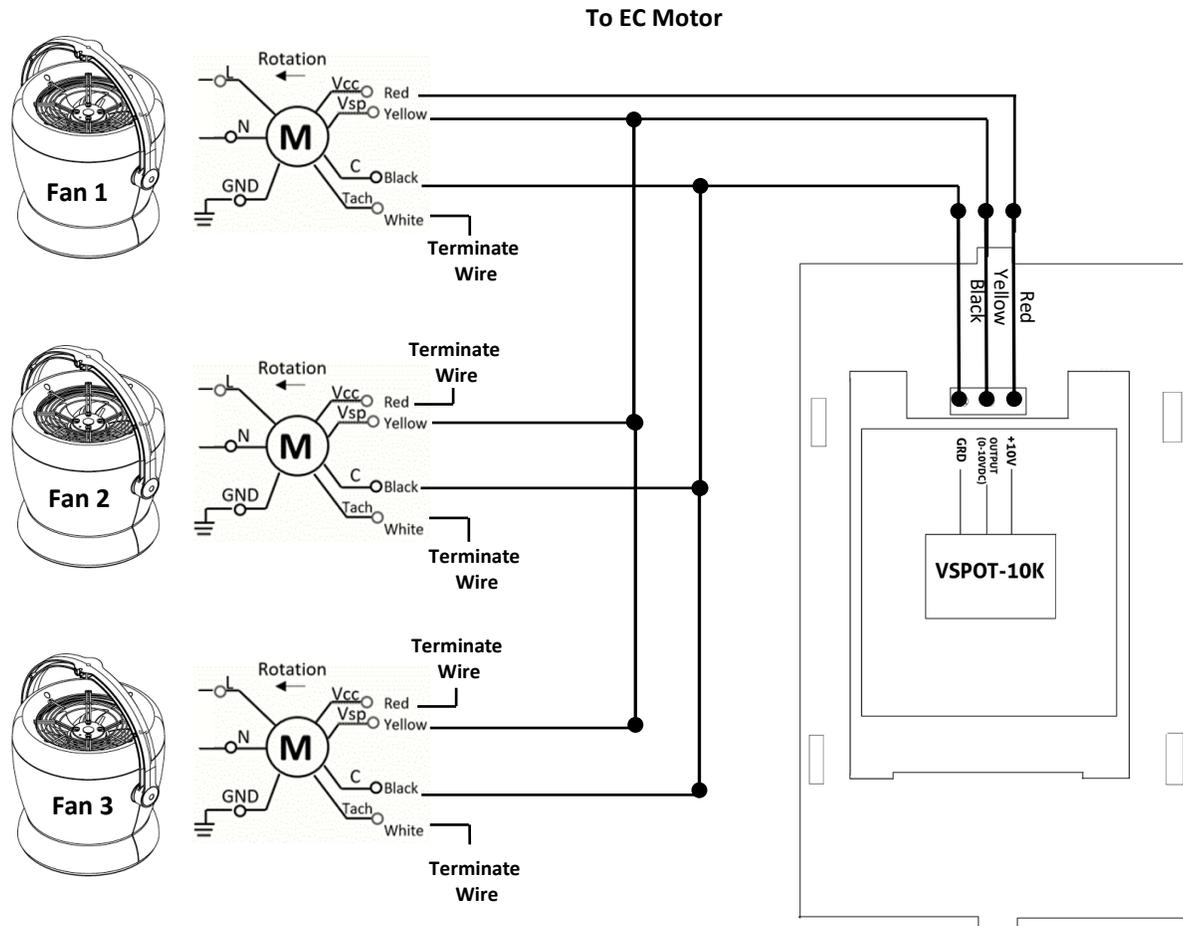
**CAUTION:** An incorrectly installed controller can result in component damage or reduction of the fan’s life. Wiring or application errors such as under-sizing the controller, incorrect or inadequate DC supply, or excessive ambient temperatures may result in a malfunction of the fan system.

**CAUTION:** For use with ZOO Fans. Not for use with other motors, fans, or controllers!

## Option 2: Wiring to EC-Basic fan

**IMPORTANT NOTE:** Refer to the ZOO Fan Installation Guide for complete wiring instructions of the fan.

ZOO Fans EC models equipped with EC Basic motors, wire the fan according to *Figure 2* below:



*Figure 2*

- Mount in standard 2X4 electrical job box.
- Orientation of the three leads is imperative for proper function when wiring the Potentiometer to an Electronically Commutated fan. Always refer to the fan label for accurate color coordination.
- Electrical connection should be made according to the wiring diagram (see **Figure 2**, above).
- Mount the controller so that the fan it controls is visible from the controller.
- To control more than 3 fans with one controller, please contact ZOO Fans.

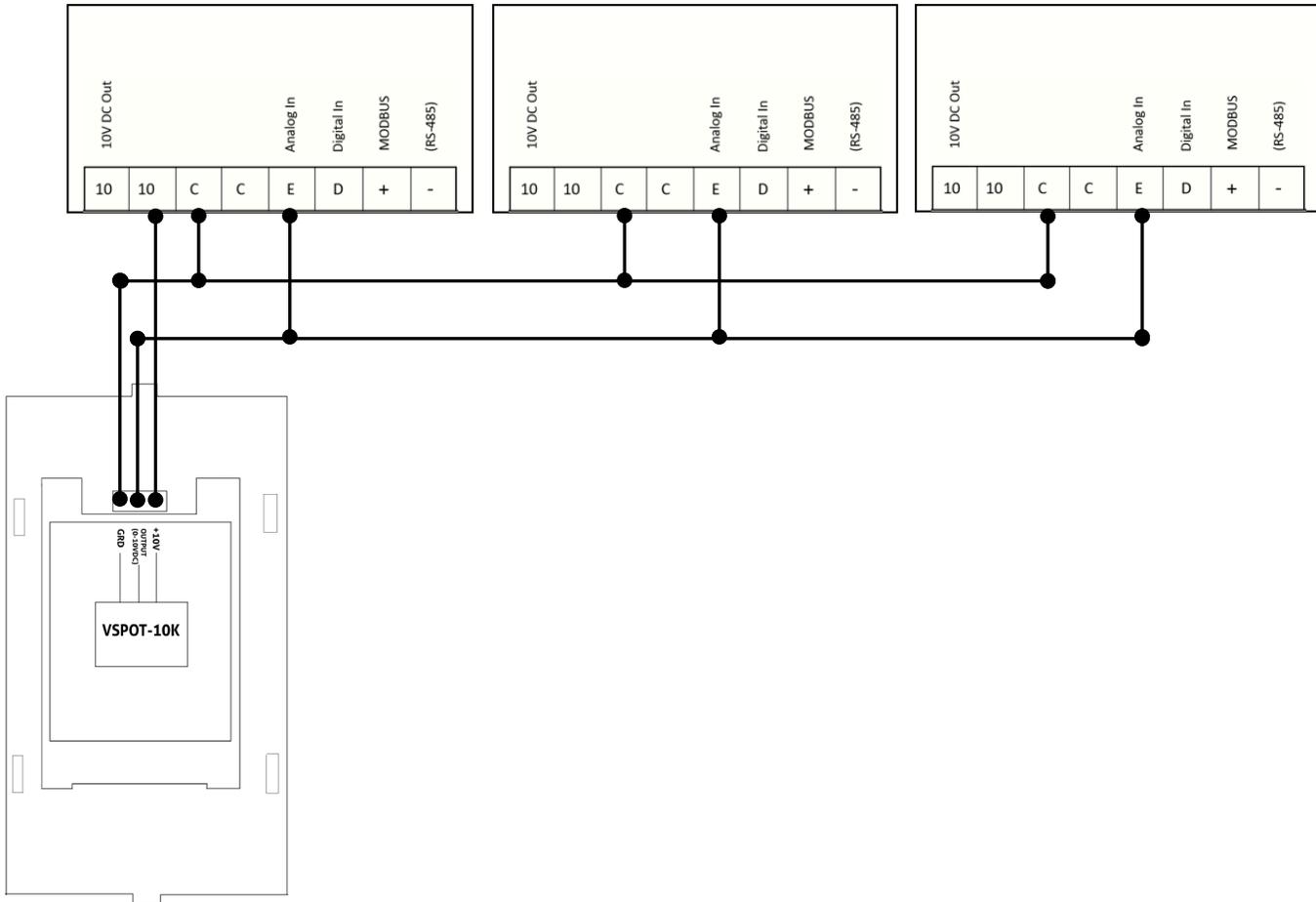
**CAUTION:** An incorrectly installed controller can result in component damage or reduction of the fan's life. Wiring or application errors such as under-sizing the controller, incorrect or inadequate DC supply, or excessive ambient temperatures may result in a malfunction of the fan system.

**CAUTION:** For use with ZOO Fans. Not for use with other motors or fans!

### Option 3: Wiring to EC-Premium fan

**IMPORTANT NOTE:** Refer to the ZOO Fan Installation Guide for complete wiring instructions of the fan.

ZOO Fans EC models equipped with EC Premium motors, wire the fan according to *Figure 3* below:



*Figure 3*

- Mount in standard 2X4 electrical job box.
- Orientation of the three leads is imperative for proper function when wiring the Potentiometer to an Electronically Commutated fan. Always refer to the fan label for accurate color coordination.
- Electrical connection should be made according to the wiring diagram (see **Figure 2**, above).
- Mount the controller so that the fan it controls is visible from the controller.
- To control more than 3 fans with one controller, please contact ZOO Fans.

**CAUTION:** An incorrectly installed controller can result in component damage or reduction of the fan’s life. Wiring or application errors such as under-sizing the controller, incorrect or inadequate DC supply, or excessive ambient temperatures may result in a malfunction of the fan system.

**CAUTION:** For use with ZOO Fans. Not for use with other motors or fans!



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