

AERATRON

Aeratron 10Volt Automation Control Instruction



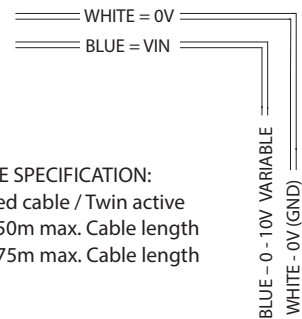
IMPORTANT The 10Volt Automation control must be installed by a licensed and qualified electrician. Automation System components are not supplied by Aeratron **NOTE:** The Voltage control interface must operate at SELV (Safe Electrical Low Voltage) levels.

Automation System (Voltage Controlled)

Fan motion and Light functions are controlled by applying positive DC voltage at the voltage control input VIN. Blue = VIN control signal 0 to 10V, White = 0V.

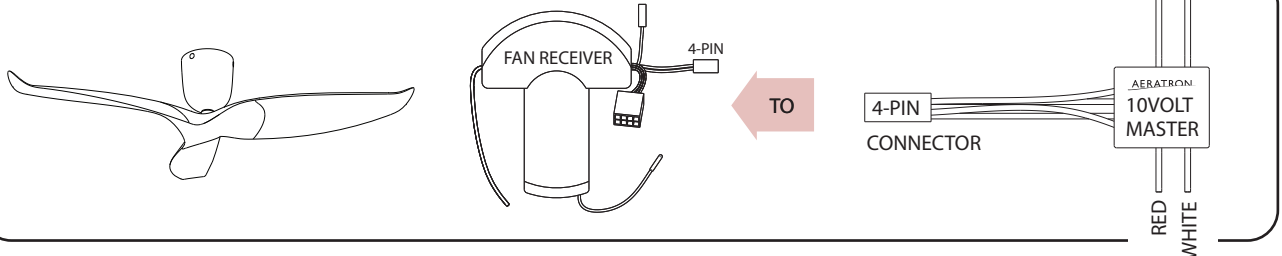
FUNCTION	CONTROL VOLTAGE VIN(Volts)
IDLE (no operation)	0.5
FAN STOP	1.3
SPEED 1 (slowest)	2.1
SPEED 2	2.9
SPEED 3	3.7
SPEED 5	4.5
SPEED 6 (fastest)	5.3
FORWARD	6.1
REVERSE	6.9
LIGHT ON (bright)	7.7
LIGHT MEDIUM	8.5
LIGHT OFF	9.3

Connect to Automation System

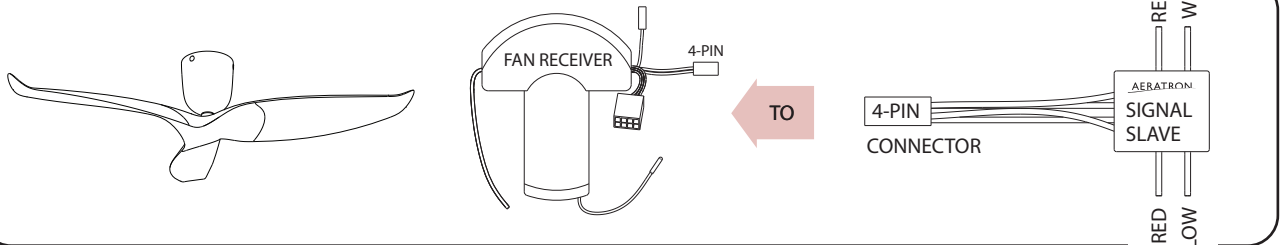


SWITCH CABLE SPECIFICATION:
TPS Mains rated cable / Twin active
1mm² = 250m max. Cable length
1.5mm² = 375m max. Cable length

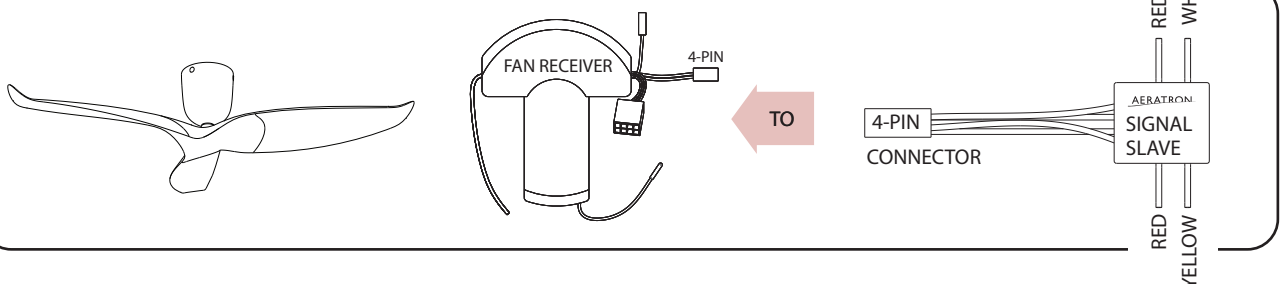
First Fan (10Volt Master)



Second Fan (Signal Slave)



Additional Fan / max.8 Fans in total



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Operating conditions

Operating conditions are shown below.

Parameter	Min	Typ	Max
Input impedance (VIN to 0V)		~17k Ω	
Input voltage (VIN)	0V		10V
Time to hold voltage at VIN	1s		
Time to change voltage VIN1 --> VIN2			200ms

1. A control operation is activated by applying DC voltage to VIN, according to Table 1 values, for a minimum period of 1s (Table 2).
2. After applying control voltage to VIN, the controlling interface can remain at the same voltage, or return to IDLE. When IDLE is selected, no operation will take place.
3. To changing rotational direction, set VIN to FORWARD or REVERSE as desired. The fan will change direction, and resume rotating at the same speed as before.
4. Fan control and Light control are separate operations. Turning Light ON or OFF does not affect fan motion. Changing fan setting does not affect the light setting.

For General Information & Warranty issues refer to the Aeratron™ User Manual available at www.aeratron.io

Thank you. Your Aeratron team.

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