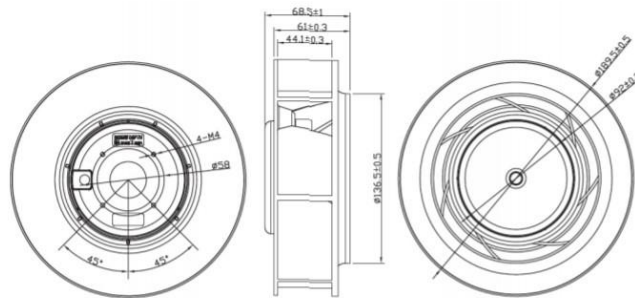


ODB19069 Series



DC Motorized Impeller, 24V, 48V
190x69mm (7.5"x2.70")



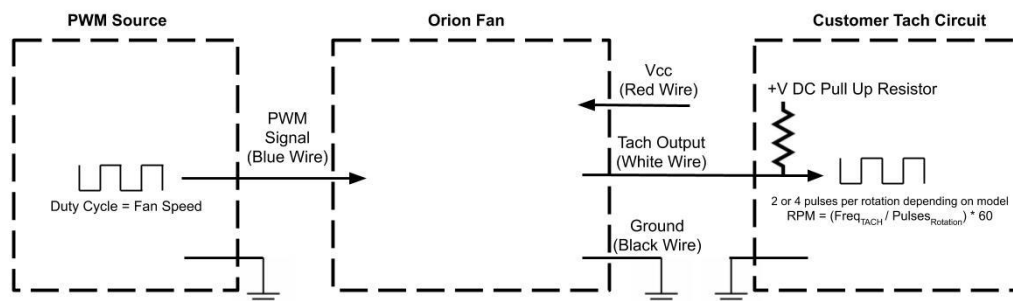
Outlet - Function Leads

- a. Red --- DC Voltage +
- b. Black --- DC Voltage - (GND)
- c. Blue --- PWM Control
- d. White --- F/G Tachometer

Lead Wires:
AWG#20 300+/-10mm
Stripped Ends 5mm

Frame	Die Cast Aluminum	<u>Operating Temperature</u> -10°C ~ +60°C	
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -40°C ~ +75°C	
Connection	4x Lead wires, 20 AWG	<u>Life Expectancy</u> 50,000 hours (L10 at 25°C)	
Motor	Brushless DC, Electronically Protected, Polarity Protected	<u>Other Available Options</u> Alarm Other Speeds Available	
Bearing System	Dual Ball Bearings	Weight: 2.87 lbs	
Dielectric Strength	500VAC/min < 1mA	m0	
Insulation Resistance	10M ohm between leadwires and frame (500 VDC)		

Part Number	Rated Voltage	Rated Power	Nominal Current	Rated Speed (RPM)	Airflow (CFM)	Noise Level (dB)	Max. Static Pressure
ODB19069-24HB10A	24 VDC	108 W	4.5 A	3200	395	70	1.97" H ₂ O
ODB19069-48HB10A	48 VDC	122.4 W	2.55 A	3500	432	73	2.0" H ₂ O



PWM Low Voltage: <0.5V
 PWM High Voltage: >2.6V
 PWM High Voltage Max: ≤12V
 PWM Max Sink Current: 8mA
 PWM Frequency Range: 100Hz-100KHz
 PWM Typical Frequency: 25KHz
 RPM at 0% Duty Cycle: 0 RPM
 RPM will be full speed if PWM input is disconnected.

Tach Max Voltage = 24V
 Tach Max Current = 5mA
 Tach Low Voltage = 0.5V
 Tach Pulses per rotation = 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Orion Fans:

[ODB19069-24HB10A](#) [ODB19069-48HB10A](#)