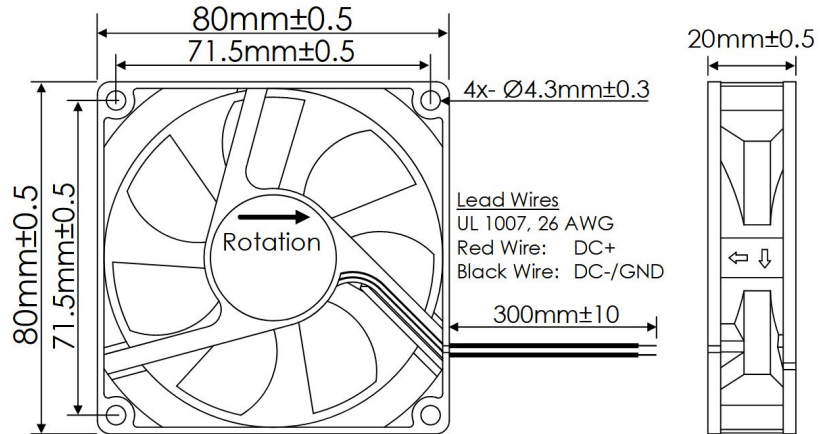


OD8020 Series



DC Fans - 12, 24V
80mm x 20mm (3.15" x 0.8")



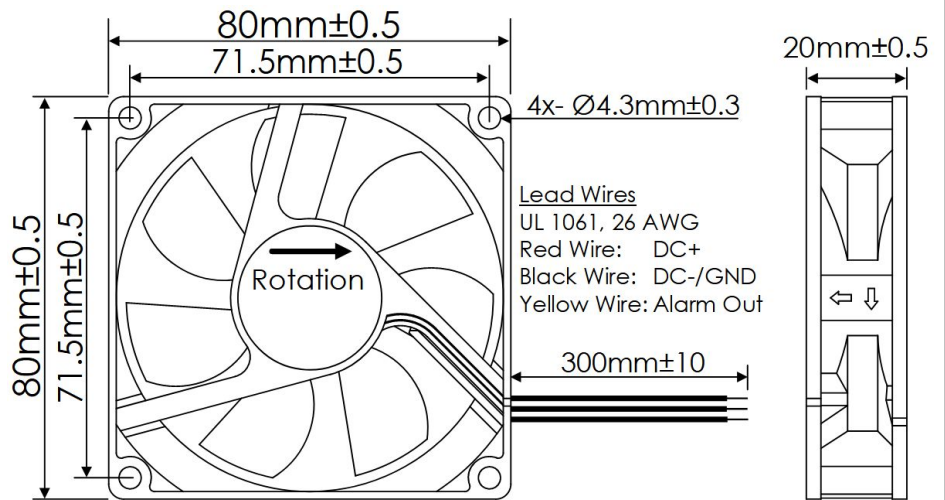
Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	Static Pressure ("H₂O") Airflow (CFM)
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	2x Lead Wires, UL 1007 26 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	<u>Available Options</u> PWM Speed Control Input Tachometer Output Alarm Output Sealed Sleeve Bearings IP Ratings	
Bearing System	Ball Bearings	Weight: 0.17 lbs.	
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10M Ohm @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O")
OD8020-12HB	12	11 ~ 13.8	2.2	0.18	3400	40	36	0.18
OD8020-12MB	12	11 ~ 13.8	1.8	0.15	2800	32	29	0.11
OD8020-12LB	12	11 ~ 13.8	1.4	0.12	2400	27	25	0.09
OD8020-24HB	24	22 ~ 25	2.9	0.12	3400	40	36	0.18
OD8020-24MB	24	22 ~ 25	2.4	0.10	2800	32	29	0.11
OD8020-24LB	24	22 ~ 25	2.0	0.08	2400	27	25	0.09

OD8020 Series with Alarm

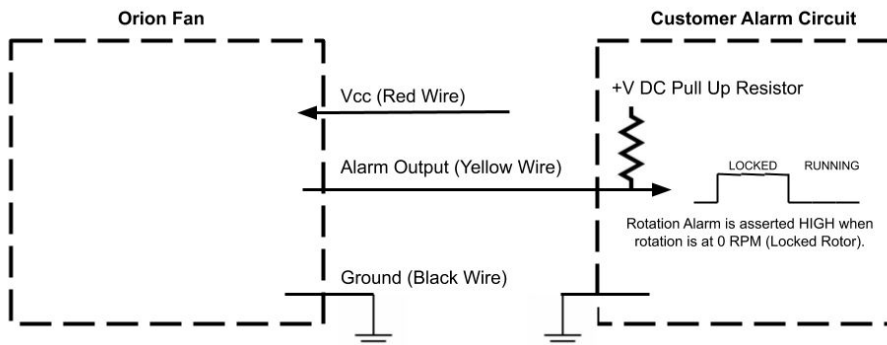


DC Fans - 12, 24V
80mm x 20mm (3.15" x 0.8")



Frame	PBT, UL94 V-0 Plastic	Operating Temperature -20°C ~ +65°C Storage Temperature -20°C ~ +75°C Life Expectancy 70,000 Hours (L10 at 40°C) Installed Options Open Collector Tach Output Weight: 0.17 lbs.	
Impeller	PBT, UL94 V-0 Plastic		
Connection	3x Wire Leads, UL 1061 26 AWG		
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected		
Bearing System	Ball Bearings		
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10M Ohm @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O)
OD8020-12HB02A	12	11 ~ 13.8	2.2	0.18	3400	40	36.3	0.18
OD8020-24HB02A	24	22 ~ 25	2.9	0.12	3400	40	36.3	0.18



Alarm Max Pull-up Voltage:
Alarm Max Sink Current:
Alarm Active Logic State:

Fan Vcc
6mA
HIGH

Mouser Electronics

Authorized Distributor

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

Orion Fans:

[OD8020-12HB](#) [OD8020-12HB02A](#) [OD8020-12HHS5](#) [OD8020-12HHSS](#) [OD8020-12LB](#) [OD8020-12MB](#) [OD8020-24HB](#) [OD8020-24MB](#) [OD8020-24HB02A](#) [OD8020-24LB](#)