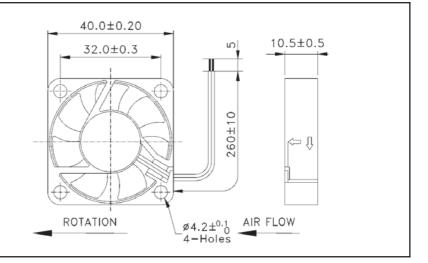
OD4010 Series



DC Fan - 5, 12, 24V 40x10mm (1.58"x 0.39")



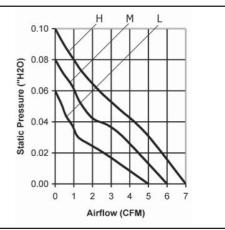


| Frame & Impeller | PBT, UL94V-O plastic |
|-----------------------|--|
| Connection | 2x Lead wires 26AWG |
| Motor | Brushless DC, auto restart, impedance and polarity protected |
| Bearing System | Ball bearing |
| Insulation Resistance | 10M ohm between leadwire and frame (500VDC) |
| Dielectric Strength | 1 second at 500 VAC, max leakage - 500 MicroAmp |
| Storage Temperature | -30C ~ +90C |

Available Options:

Tachometer
Alarm
Thermal control
Sleeve bearing
IP55
<u>Life Expectancy (L10)</u>
Ball - 60,000 hrs (45C)
Sleeve - 30,000 hrs (45C)

Operating Temperature
Ball: -20 ~ 80C

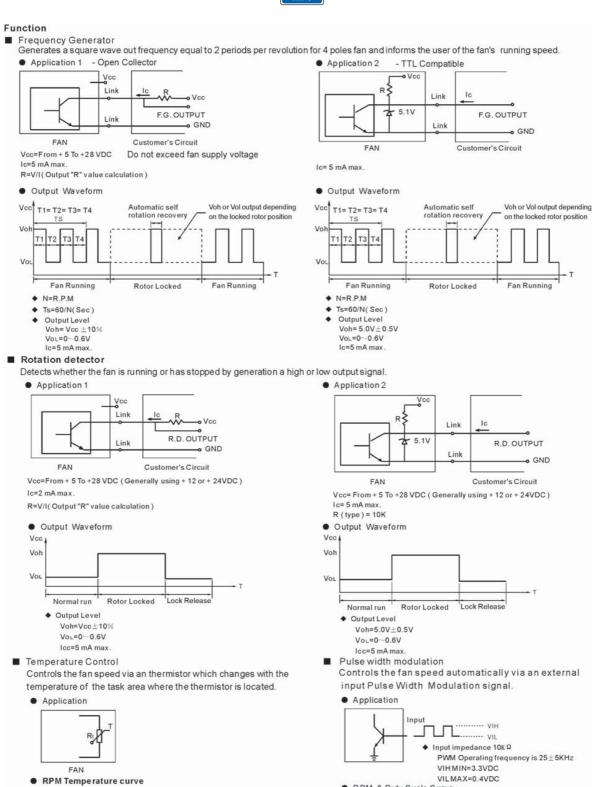


| Model Number | Speed (RPM) | Airflow (CFM) | Noise (dB) | Volts DC | Voltage Range (VDC) | Amps | Max. Static Pressure ("H2O) |
|--------------|----------------|------------------|---------------|----------|---------------------------|------|-----------------------------------|
| OD4010-05HB | 6000 | 7 | 25 | 5 | 4 ~ 7 | 0.16 | 0.10 |
| OD4010-05MB | 4800 | 6 | 20 | 5 | 4 ~ 7 | 0.11 | 0.08 |
| OD4010-05LB | 4200 | 5 | 14 | 5 | 4 ~ 7 | 0.07 | 0.06 |
| OD4010-12HB | 6000 | 7 | 25 | 12 | 7 ~ 14 | 0.09 | 0.10 |
| OD4010-12MB | 4800 | 6 | 20 | 12 | 7 ~ 14 | 0.06 | 0.08 |
| OD4010-12LB | 4200 | 5 | 14 | 12 | 7 ~ 14 | 0.06 | 0.06 |
| OD4010-24HB | 6000 | 7 | 25 | 24 | 10 ~ 27 | 0.06 | 0.10 |
| OD4010-24MB | 4800 | 6 | 20 | 24 | 10 ~ 27 | 0.04 | 0.08 |
| OD4010-24LB | 4200 | 5 | 14 | 24 | 10 ~ 27 | 0.03 | 0.06 |

m1

Special Function Info





High Speed

Low Spee

Duty Cycle

High Speed

Low Speed

100%

ORION AC & DC FANS



Part Number Construction [General Information]

| Building an AC Part Number: OA109AP-22-1TB-18. (Note: Many AC fans are available with sensor functions by special order.) | | | | | | | |
|---|-------------------------|--|---|--|--|--|---|
| OA | 109 | AP | 22 | 1 | Т | В | 18 |
| OA = Orion AC Orion AC fan part num- bers will gener- ally begin with "OA" (Orion AC) or "OAB" (Orion AC Blower) | Number Model numbers | AP = Frame Construction Frames are available as "AP" (Aluminum Painted), "AN" (Aluminum Natural Sanded), SAP - Stackable aluminum painted SAPL - stack- able aluminum painted, low profile | "22" = Voltage Standard AC voltages are "11" (115VAC), "22" (230VAC), "11/22" or "1/2" (115/230 dual VAC) | "1" = Speed AC Fans are generally avail- able as "1" (high speed), "2" (medium speed), "3" (low speed) | "T" = Termination AC Fans are available (except as noted) with power connec- tion terminals (T) or with 12" Lead wires (W) | B = Bearing Type Standard bearing types are "B" (ball bearing) and "S" (sleeve bearing) Sometimes followed by XC indicating high performance | 18 = Special Function Code A suffix after the bearing designator usu- ally indicates a specific modifi- cation to the fan. In this case "18" indi- cates a metal impeller which is different from the Thermoplastic impeller which comes stan- dard on this model |

| Building a DC Part Number: OD1238-12HTB01 (Note: some models will include a "C" or an "XC" in the part number) | | | | | | | |
|--|---|--|---|---|--|--|--|
| OD | 1238 | - | 12 | Н | Т | В | 01 |
| Orion DC fan part num- bers will gener- | frame sizes. In this case "1238" will | Frame Construction PT or blank - | "12" = Voltage Standard DC voltages are "05" (5VDC), "12" (12VDC), "24" (24VDC), "48" (48VDC) | able as "H" (high speed), "M" (medium speed), "L" (low speed) "HH" (extra high speed) | "T" = Termination DC Fans are available (except as noted) with power connec- tion terminals (T) or with 12" Lead wires [blank] | B = Bearing Type Standard bearing types are "B" (ball bearing) and "S" (sleeve) and "SS" (sealed sleeve) | 01 = Special Function Code A suffix after the bearing designator usu- ally indicates a specific modifi- cation to the fan. In this case "01" indi- cates a 5VTTL tach o/p * |

| [none] | Standard | | | | | |
|--------|-----------------------------------|---|--|--|--|--|
| 01 | Tachometer Output 5VTTL* | | | | | |
| 02 | Alarm Output 5VTTL * | * To specify "open collector" instead of 5VTTL please add the letter "a" after the "Special | | | | |
| 03 | Thermistor Speed Control (hub) | Function Code". | | | | |
| 04 | Thermistor Speed Control (wire) | | | | | |
| 05 | PWM Input | Additional suffixes consisting of both numbers and letters may be applied for multiple | | | | |
| 06 | Dual Speed | fan modifications . | | | | |
| 07 | Temperature Sensor | | | | | |
| 08 | Tachometer* + Alarm* | Special function codes will not appear on the fan label unless specified by the customer. | | | | |
| 09 | Tachometer* + Thermistor | | | | | |
| 10 | Tachometer* + PWM | | | | | |
| 11 | Tachometer* + Temperature Sensor | | | | | |
| 12 | Alarm* + Thermistor | | | | | |
| 13 | Alarm* + PWM | | | | | |
| 14 | Alarm* + Termperature Sensor | | | | | |
| 15 | Tachometer* + Alarm* + PWM | | | | | |
| 16 | Tachometer* + Alarm* + Thermistor | | | | | |
| 17 | Extra Long Lead Wires | | | | | |
| 18 | Metal Impeller | | | | | |
| 19 | High Temperature | | | | | |
| 20 | Conformal Coating | | | | | |
| 21 | Customized | | | | | |
| 55 | IP-55 | | | | | |
| - 00 | 55 | | | | | |