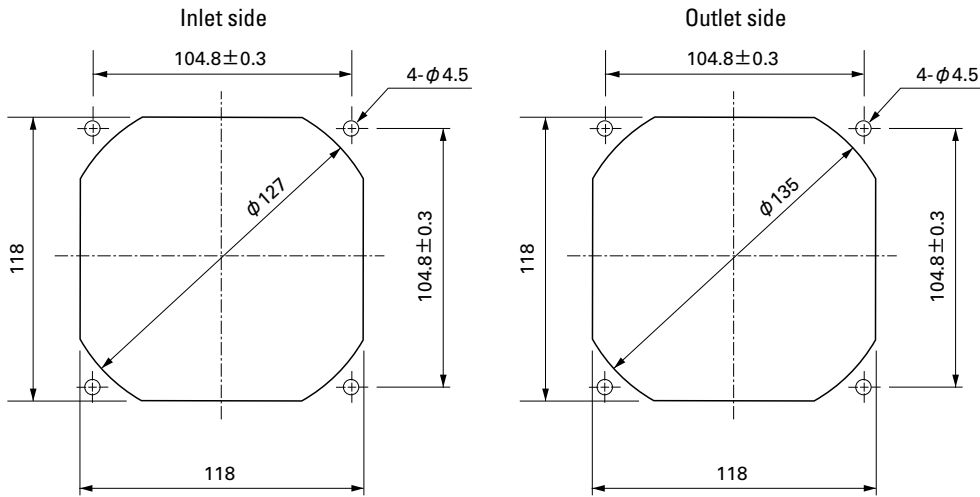


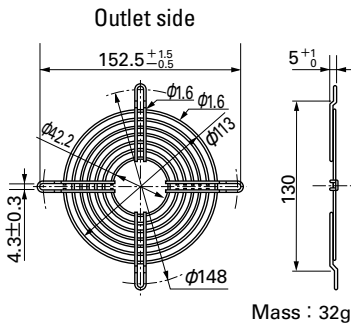
Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



Options (unit: mm)

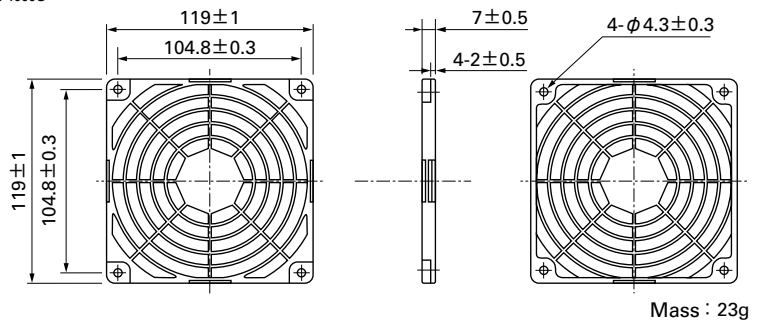
Finger Guards

Model : 109-019C Surface treatment : Nickel-chrome plating (silver) Color
 : 109-019H : Cation electropainting (black)

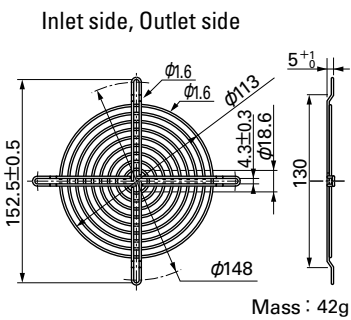


Resin Finger Guards

Model : 109-1000G

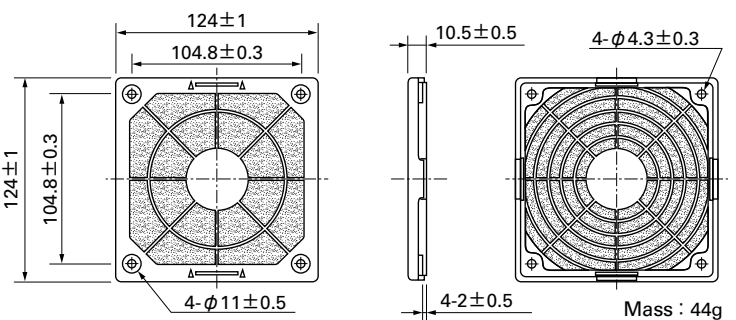


Model : 109-019E Surface treatment : Nickel-chrome plating (silver) Color
 : 109-019K : Cation electropainting (black)



Resin Filter Kits

Model: 109-1000F13 (13PPI), 109-1000F20 (20PPI), 109-1000F30 (30PPI), 109-1000F40 (40PPI)



120 mm sq.

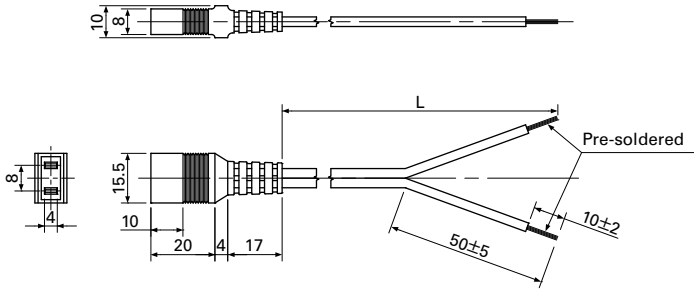
San Ace 120AD

120×120×38mm [Mass : 290g]

Options (unit: mm)

Plug Cord

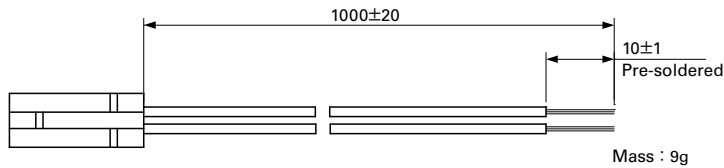
(Products compliant with Electrical Appliance and Material Safety Law, UL/CSA [c-UL] CERTIFIED)
 UL FILE No. E43202
 Model : 489-1635-L10/489-1635-L21



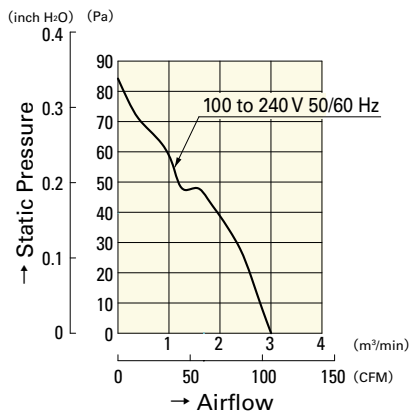
Model	Power cord length (L) [mm]	Mass [g]
489-1635-L10	1,000	38
489-1635-L21	2,100	74

Wiring Harness for Sensor

Model: 489-1636



Airflow - Static Pressure Characteristics

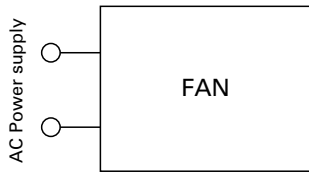


9AD1201H12

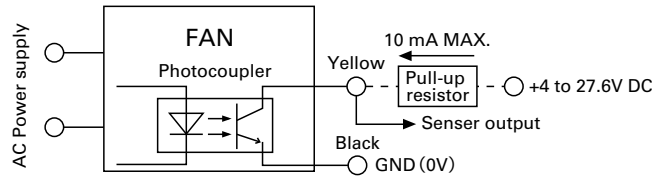
9AD1201H1H

Wiring Diagram

without Sensor



with Low-speed sensor

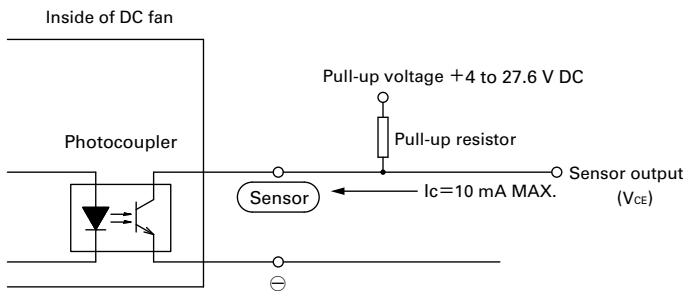


Specifications for Low-speed Sensors

Model No.: 9AD1201H1H

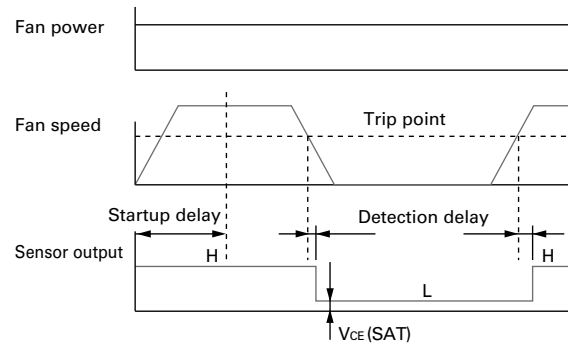
Output circuit: Open collector

$V_{CE} = +27.6 \text{ V DC MAX.}$
 $I_C = 10 \text{ mA MAX. [} V_{CE(SAT)} = 1.0 \text{ V MAX.]}$

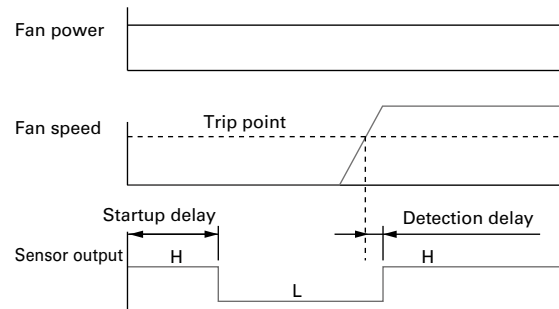


Sensor scheme

Example 1: when steady running



Example 2: when the rotor is locked when the fan motor is turned on and released after the start-up delay time.



Startup delay: $18 \pm 3 \text{ s}$
 Detection delay: 3 s MAX.
 Trip point: $1,700 \text{ min}^{-1}$