3. Specifications

- **Power Supply**: Model No. BF-SZAI
- **Discharge Method**: High Frequency AC method
- **Power OFF**: Model OFF
- **Power ON**: Model ON
- **Travel range (W)**: 15 m
- **Travel range (H)**: 10 m
- **Travel range (D)**: 10 m

4. I/O Circuit Diagram

5. Installation

- Be sure to first turn off the power before installing this product.
- Place this product on a level surface. If you want to fit the product to the surface, use the screws already inside the holes, and make sure the product is secured firmly before using it.
- The angle of the main unit may be freely adjusted by loosening the Knob Bolt. After the adjustment is completed, be sure to tighten the Knob Bolt again to ensure that the angle of the main unit will stay unchanged.
- When attaching only the main unit to a direct device, it attaches to a mechanical frame etc. according to the location of the air outlet units. Use the screws which suit the fitting holes (3-M3). Check that the main unit is being fixed firmly. The screws should use what exceed less than 5 mm into the main unit.

6. Wiring

- Be sure to carry out the grounding work (according to the class D procedure). Otherwise, an electric shock accident or a malfunction of the product may occur. In addition, the product may not be able to work up to the full performance.
- Output signals do not incorporate a short-circuit protection circuit. Do not connect the power supply or load capacity directly. Otherwise internal circuit is damaged, and accidents or problems with operation may occur.
- Make sure to connect the earth wire to an appropriate place. Forgetting to connect the earth wire may cause electric shocks or other accidents. (Personal injury, equipment breakdown, or electrical shocks, etc.)
- Connect the power lead wire to the Grounding Point (class D procedure). If not securely grounded, this product may not be able to work up to the fullest performance.
- Please connect red and black wire lead of cable to your power supply.
- If the Alarm Output Signal is needed, connect to the cable lead for your equipment.

7. Operation

- (1) Turn the power switch of the product ON, and green ‘Power’ led becomes light up. If the ionizer still is not recovered, turn it in the direction of FREE (clockwise), and releasing the unit.
- (2) In accordance with the distance to the charged object, adjust the ‘Fan speed adjustment’ to provide the appropriate amount of air. Turn the ‘Fan speed adjustment’ gradually with Philips screwdriver.

8. Indicator and Alarm output signals

- The internal relay contacts will generate Alarm output signals as follows. The terminal block is made by a maximum current capacity of 30 A and 10 A.

9. Maintenance

- Be sure to turn off the unit using the included cleaning brush. If the discharge needles are extremely dirty, it is recommended you add IPA (isopropyl alcohol) to the cleaning brush.

10. Troubleshooting

- If the Alarm LED remains lighted even after the discharge nozzle is removed and cleaned, it is considered to be damaged, and accidents or problems with operation may occur.
- To turn the power on and off, be sure to refer to the electrical safety regulations and ambient conditions in the Product Specification.

Letter of Guarantee

1. This product has passed the insulation carried out by our company. The product will be subject to repair or replacement, free of charge, if it fails to operate due to normal wear and tear, caused by a defect in the design or manufacture by our company.
2. The Period of Guarantee: One (1) year from the date of delivery.
3. Any repair work or replacement for any failure or breakage caused by any of the following reasons will be carried out by the user bearing the cost.
   (a) Breakage caused by fire, wind, flood, earthquake, etc. or similar events.
   (b) Breakage caused by misuse or overloading or similar treatment.
   (c) Breakage caused by use in locations where the local regulations do not apply.
   (d) Breakage caused by the user's own failure to perform maintenance as stated in the Instruction Manual.
   (e) Breakage caused by breakage caused by a disaster or force majeure such as flood, fire, natural calamity, or an act of God.
   (f) Breakage caused by breakage caused by any other reason that cannot be attributable to our company.