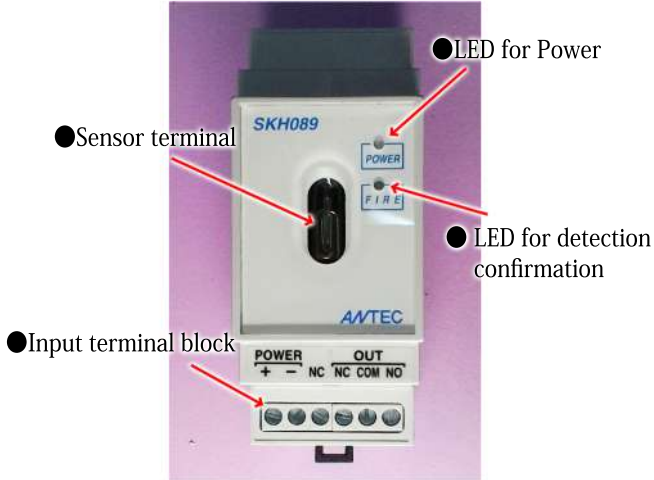# Description（SKH089）

1. Product description

SKH089 is a machine
that quickly detects ultraviolet rays contained in flames.
It is possible to monitor multiple locations
from a long distance depending on the connection method
of the notification device and sensor.

2. Name of each part

●LED for Power

●Sensor terminal

●LED for detection confirmation

●Input terminal block

3. Precautions

This sensor is not a fire fighting device
because it is a machine that detects ultraviolet rays.
It does not react to smoke or heat
In the unlikely event of a fire accident, personal injury, or damage
or damage caused by incorrect usage
Please note that we are not responsible.
Also, please be careful about sunlight because
this sensor reacts to ultraviolet rays.

Things to detect other than flame（Couse of Incorrect operation）
- ●Halogen lamp
- ●Discharge lamps such as mercury lamps
- ●Germicidal lamp
- ●Welding sparks
- ●Electric sparks such as lightning
- ●Others that generate ultraviolet rays

4. Setting method
◎How to set detection timer

1. N C
2. N C
3. N C
4. Timer setting 1SEC
5. Timer setting 2SEC
6. Timer setting 4SEC
7. Timer setting 8SEC
8. Timer setting 16SEC

Please set the timer on the back side
Switch on the detection timer you want to set.
The settings will be applied from the time of restarting,
so please restart after changing the settings.
4SEC is applied at the time of shipment from the factory.

5. Power supply

This device operates in the range of
DC7V to DC24V.
Be careful not to mistake the + and-of
the input / output terminals. The light
flashes blue when powered.

6. Outputs

When the device detects a flame, it will be
displayed in the left column(Pic) and held for
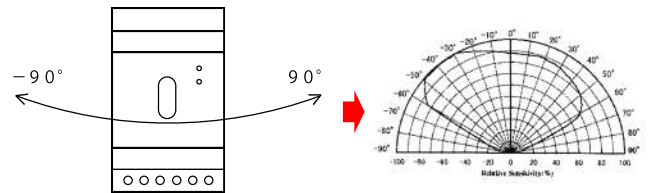30 seconds.

NC (Normal Closure)
COM (Common)
NO (Normal Open)

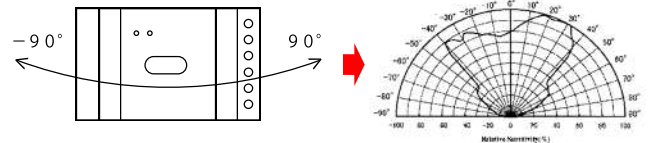Contact capacity   AC 125V   0.5A
                    DC 24V   1A

If the space between P and O lights up, it is
not connected.

7. Light distribution characteristics
X Light distribution characteristics

−90°   90°

Y Light distribution characteristics

−90°   90°

Light distribution characteristics are measured in the dark. There is a
possibility that it may differ from the actual area Please test according
to the installation environment.

8. Operation check

- ●Turn on the power
- ●Irradiate ultraviolet rays using an ultraviolet projector
  in the detection area.
- ●External output turns on at the time you set.
- ●Hold for 30 seconds after detecting a flame.

9. Others

- ●This sensor is limited to voluntary installation.
- ●Please perform regular inspection
- ●Functions and specifications are subject to change without notice.