

# Flame sensor (Ultraviolet rays detection)

FS-3500 (Message type / Indoor)



## ***FIRE PROHIBITION/NON-SMOKING MESSAGE AVAILABLE IN FIVE LANGUAGES***

*FS-3500E detects ultraviolet rays in the flame and outputs the recorded warnings.*

### **FIRE PROHIBITION AND NON-SMOKING MESSAGE IN 5 LANGUAGES**

Japanese/English/Chinese/Korean/Spanish messages available. Fire prohibition or No-smoking messages in each language can be chosen. The buzzer (sound) is also selectable.

#### 《Non-smoking》

JAP. 『ここは禁煙です。お煙草はご遠慮ください。』

ENG. 『This is a non-smoking area. Please refrain from smoking in this area.』

CHI. 『这里是禁烟处。请不要抽烟。』

KOR. 『여기는 금연 구역입니다. 담배는 삼가하시기 바랍니다.』

SPA. 『Prohibido fumar. Abstengase de fumar en el servicio.』

#### 《Fire prohibition》

JAP. 『ここは火気厳禁です。火気の使用はお断りいたします。』

ENG. 『Open flame is prohibited. Please refrain from using open flame in this area.』

CHI. 『此处严禁用火。请不要用火。』

KOR. 『여기는 화기 엄금 구역입니다. 화기 사용을 금지합니다.』

SPA. 『Prohibido encender fuego. No se permite el uso de productos inflamables en el servicio.』

### **MESSAGE CAN BE CHOSEN AND OUTPUT**

Among 5 languages and 2 kinds of message, can be selected according to the requirement.

### **MESSAGE REPEATABILITY**

Message can be announced just once or repeated twice.

### **DETECTION SENSITIVITY AND DETECTION TIMER ADJUSTMENT**

In order to cope with external environment, 2 levels of sensitivity and 4 steps of timer can be selected.

### **2 WAYS POWER SUPPLY SELECTABLE**

\* Type-AA alkaline battery

\* External wiring DC10-30V

### **ALARM OUTPUT**

Signal output (N.O./N.C. selectable) and tamper output (N.C.) available

### **CUSTOMIZED MESSAGE**

The recorded message can be customized

### **ROHS CERTIFIED COMPLIANT**



Environment friendly. Free from Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyl, Polybrominated diphenyl ether.

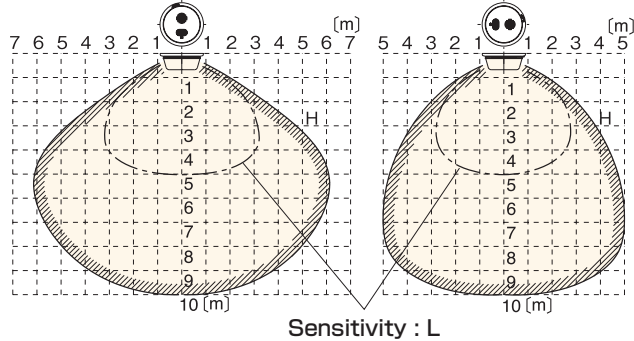
# FLAME SENSOR

## DETECTION AREA

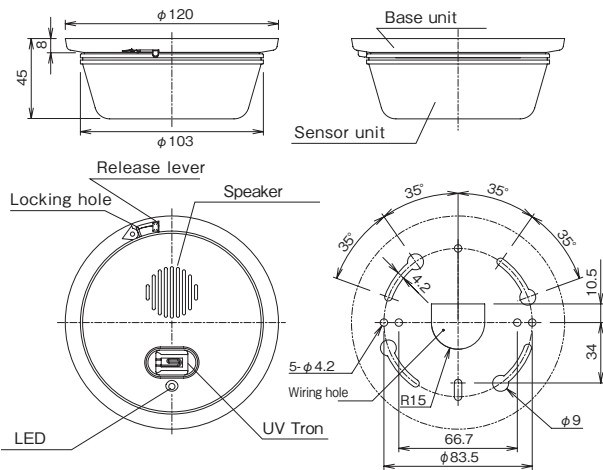
Object : Flame gas lighter (7cm)  
Sensitivity : H  
Detection timer : 1 sec.

Front view : Ceiling mount  
Top view : Wall mount

Side view : Ceiling/  
wall mount



## DIMENSIONS (mm)



## OPTIONAL

- Ceiling/wall mount attachment BCW-401



## SPECIFICATIONS

Model	Flame sensor
Model No.	FS-3500E
Detection system	Ultraviolet Rays detection (185 ~ 260nm)
Detection distance	10m (7cm flame)
Detection angle	120° Conically
Detection sensitivity	Detection sensitivity : 2 levels (H [100%], L [50%]) Detection timer : 4 setps (1s, 3s, 6s, 15s)
Power supply	Type-AA alkaline battery (LR6) 2pcs / DC3V...included External wiring DC10 ~ 30V (Polarized)
Battery life	Type-AA alkaline battery Approx. 2 years (Stand-by) (Note above figure is just a reference and not guaranteed)
Power consumption (External DC power)	Stand-by : 40mA or less Alarm : 300mA or less
Signal output	Relay contact output N.O./N.C. selectable Detection time plus 2 sec. Output DC30V 0.1A
L E D	Indication : RED Alarm : Flash during message output Low battery : Flash 0.1sec every 5sec
Message	<ul style="list-style-type: none"> <li>• 5 languages</li> <li>Non-smoking</li> <li>① JAP. 「ここは禁煙です。お煙草はご遠慮ください。」</li> <li>② ENG. 「This is a non-smoking area. Please refrain from smoking in this area.」</li> <li>③ CHI. 「这里是禁烟处。请不要抽烟。」</li> <li>④ KOR. 「여기는 금연 구역입니다. 담배는 삼가하시기 바랍니다.」</li> <li>⑤ SPA. 「Prohibido fumar. Abstengase de fumar en el servicio.」</li> <li>Fire prohibition</li> <li>① JAP. 「ここは火気厳禁です。火気の使用はお断りいたします。」</li> <li>② ENG. 「Open flame is prohibited. Please refrain from using open flame in this area.」</li> <li>③ CHI. 「此处严禁用火。请不要用火。」</li> <li>④ KOR. 「여기는 화기 엄금 구역입니다. 화기 사용을 금지합니다.」</li> <li>⑤ SPA. 「Prohibido encender fuego. No se permite el uso de productos inflamables en el servicio.」</li> <li>Buzzer sound</li> <li>① PIPPIPI</li> <li>• Long/short message selectable</li> <li>• Message repeat : Once/twice selectable</li> <li>• Volume : Mute - Max. 80dB (1m from the sensor)</li> </ul>
T a m p e r	Relay contact output N.C. is issued when the sensor unit is detached from the base unit Output AC/DC30V 0.1A
Wiring	By terminals
Ambient temperature	-10°C ~ +60°C (Without condensation) (Battery performance may decrease under 0°C or beyond +40°C)
Installation	Indoor
Functions	Tamper signal, Low battery indication
Apperance	ABS Resin (White)

## Limited Warranty :

TAKEX products are warranted to be free from defects in material and workmanship for 12 months from original date of shipment. Our warranty does not cover damage or failure caused by Acts of God (including inductive surge by lightning), abuse, misuse, abnormal usage, faulty installation, improper maintenance or any repairs other than those provided by TAKEX. All implied warranties with respect to TAKEX, including implied warranties for merchantability and implied warranties for fitness, are limited in duration to 12 months from original date of shipment. During the Warranty Period, TAKEX will repair or replace, at its sole option, free of charge, any defective parts returned prepaid. Please provide the model number of the products, original date of shipment and nature of difficulty being experienced. There will be charges rendered for product repairs made after our Warranty period has expired.

# TAKEX

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