AUD900

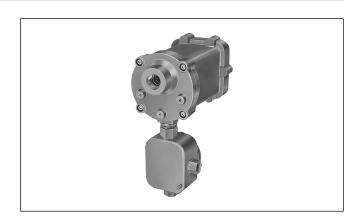
Explosion-proof Advanced Ultraviolet Flame Detector with Adjustable Sensitivity

Overview

This device is an explosion-proof, high-sensitivity ultraviolet flame detector with adjustable sensitivity that is used for oil burners, gas burners, and multi-fuel oil and gas (etc.) burners. Use this device together with the R4075C burner controller with self-check circuit (discontinued), R4332A (discontinued), R4332B (discontinued), R4334A (discontinued) plus the R7476A amplifier, or with the AUR76H flame monitor with built-in amplifier. With the sensor's built-in shutter, incoming light from the flame is blocked approximately 75 times per minute, allowing continuous checking of the flame detection circuits in this device and the amplifier.



- This device has two sensitivity adjustment functions.
 Each sensitivity adjustment function can be set separately.
 Sensitivity can be switched by an external switch.
- Flame detection signal is output at 0–35 V DC, so without the need for special cables, the wiring distance to the burner



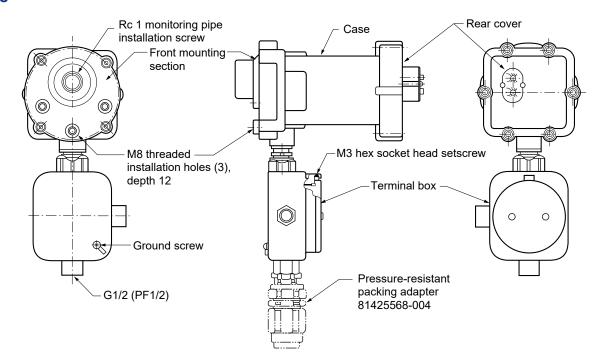
controller can be longer.

- Monitoring window quartz lens prevents the exhaust gas, soot, or heat of the combustion chamber from entering this davice.
- Maintenance and inspection are easy because with a plug-in type internal design, wiring can be done with screw terminals.

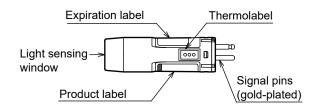
Specifications

^{*} Other types cannot be treated as certified explosion-proof.

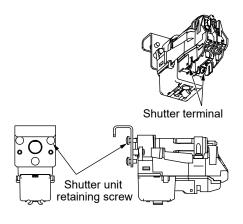
Parts



• Tube unit (AUD20) structure



• Maintenance kit (AUD70) structure



Compatible devices

Model No.	Compatible burner controller	Compatible amplifier
AUD900C0000_	R4075C (discontinued),	R7476
	R4332A (discontinued),	
	R4332B (discontinued),	
	R4334A (discontinued)	
	AUR76H flame monitor (with built-in amplifier)	

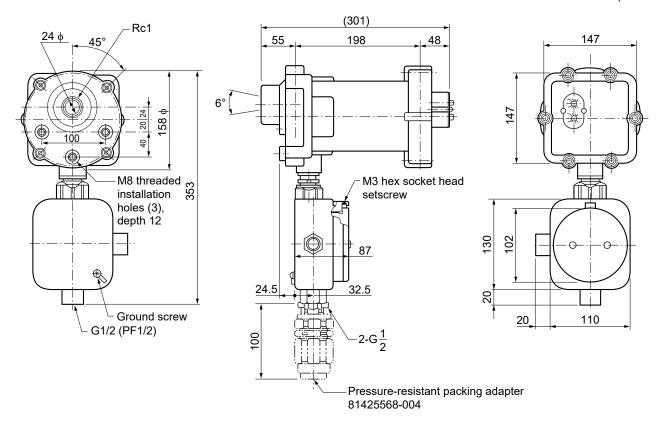
Optional devices and maintenance parts (sold separately)

•	• /	
Optional devices	Analog flame meter	FSP136A100
Maintenance	Maintenance kit	AUD70A300D
Parts	Rear gasket	81443091-002
	Terminal box O-ring	81443091-003
	Pressure-resistant packing	81425568-004*
	adapter	

^{*} Compatible cable diameter 7.0-12.0 mm

Model selection guide

Model No.	Specifications	
AUD900C0000D	With inspection certificate	
AUD900C0000Y	With traceability certificate	
AUD900C0000E	With heavy corrosion-resistant coating and	
	inspection certificate	
AUD900C0000H	With heavy corrosion-resistant coating and	
	traceability certificate	

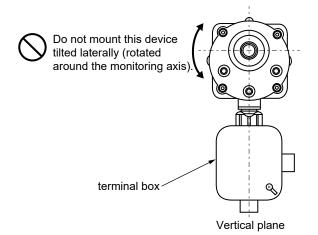


Mounting orientation

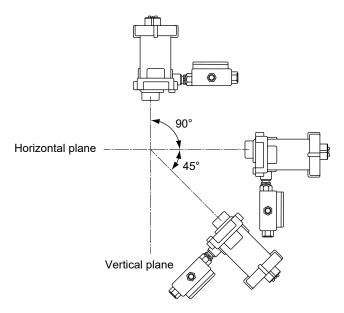
Install this device as shown below. If it is not installed correctly, the built-in self-checking shutter will be damaged.

Do not install rotated to the left or right.

Install this device with the terminal box pointing downward so that the axis of the device is in a vertical plane.



Allowable range of the mounting angle from the horizontal plane is a maximum of 90° upward and 45° downward.



! Handling Precautions

• Even if mounting angle exceeds 45°, a shutter boosting transformer is not required.

Please read "Terms and Conditions" from the following URL before ordering and use.

https://www.azbil.com/products/factory/order.html

Specifications are subject to change without notice.



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