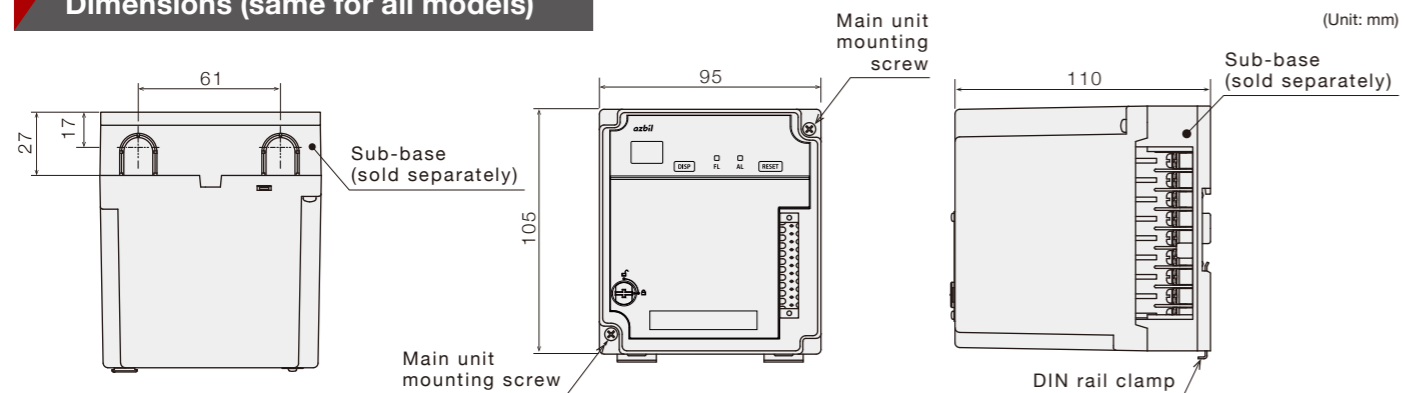


Overview of specifications

Type	Model	Flame detector	Rated power supply voltage	Index of burner health	Flame level*	Trial logger	POC monitoring	7-segment display	Communication function	EVENT
Standard burner controller	AUR255_1	UV sensor Flame rod	100/120/200/ 220 V AC	○	○	○	○	○	○	○
Burner controller for pulse combustion	AUR255_2			○	○	○	○	○	○	○
Flame controller for simultaneous ignition	AUR255_3			○	○	○	-	○	○	○
Flame controller for simultaneous ignition and pulse combustion	AUR255_4			○	○	○	-	○	○	○
Burner controller for simultaneous ignition	AUR255M3	None	100-220 V AC	-	-	-	-	○	-	-
Burner controller for simultaneous ignition and pulse combustion	AUR255M4			-	-	-	-	○	-	-

*Function provided with advanced UV flame detector model AUD100/110/120

Dimensions (same for all models)



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Burner Controller
 Model AUR255



**Safety,
 Security,
 and More**



- ✓ **Conforms to Japanese Industrial Standards (JIS)**
- ✓ **Visualizes the state of combustion furnaces**
- ✓ **Replays warning signs of equipment trouble**

Smart safety and higher productivity for combustion furnaces

Burner controller model AUR255 serves as part of a protective system for industrial combustion furnace operations and the ability to predict equipment failure, this burner controller provides equipment m

nances. Built for higher-efficiency test runs and maintenance anagement functions, helping to bring about a sustainable society.



Conforms to JIS B 8415:2020 A standard revised for even greater safety.

Conforms to new requirements for automatic burner control systems.

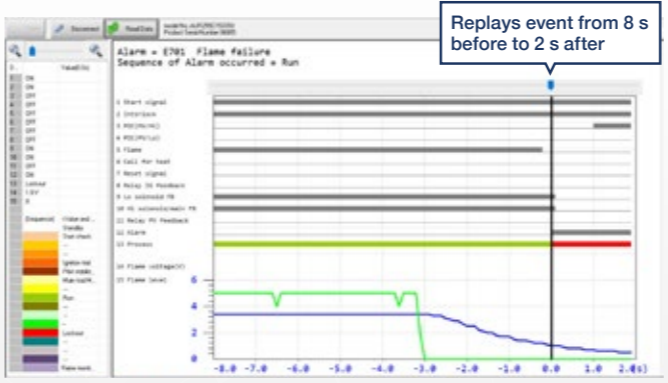
- 4.2.2.6, Automatic shutoff valve: revised arrangement with POC
- 4.2.6.1, General matters: JIS C 9730-2-5 automatic burner control system standards met
- 4.2.7.6, Maximum safety time for forced and induced draft burners: satisfied
- 4.2.7.8, Flame failure during operation: required extinction safety time provided



Meets maintenance needs

Replays lockout events, allowing investigation based on data. Notifies user when service life of a limited-life part is reached according to preset conditions.

- Play-backed error record
- Event functions



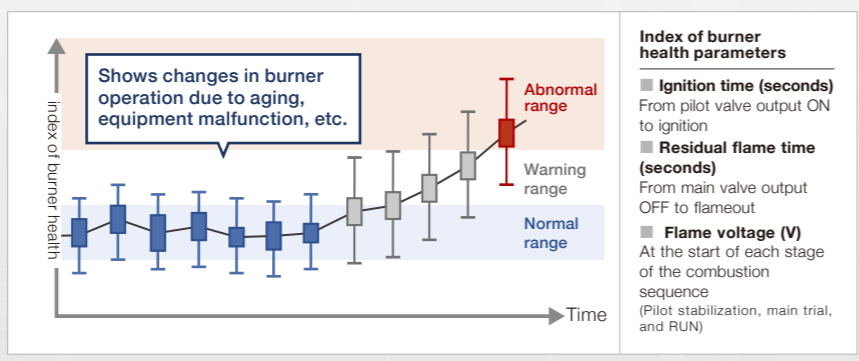
Sample playback error record screen (Uses smart loader package)

Visualizes the state of combustion furnaces.* Provides new information on burner operation based on flame detection.

Index of burner health

Helps with problem detection by visualizing changes in burner operation.

The index of burner health reflects the soundness of burners, enabling preventive maintenance. Ignition performance is seen by changes in ignition time and flame voltage. Continuous monitoring makes it possible to compare and see changes in operation due to aging and environmental changes.

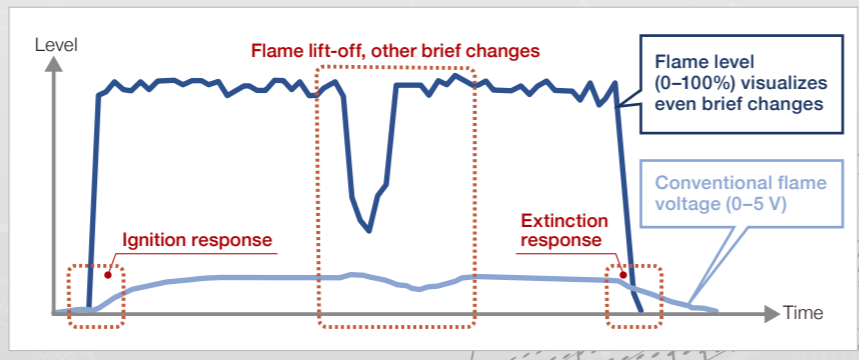


Flame level

Shows flame lift-off and other momentary changes. Effective for adjustment and maintenance.

In addition to the flame voltage, the flame monitoring information includes a new flame level number that reflects momentary changes. Measurements from a UV flame detector are shown in real time for more accurate status monitoring.

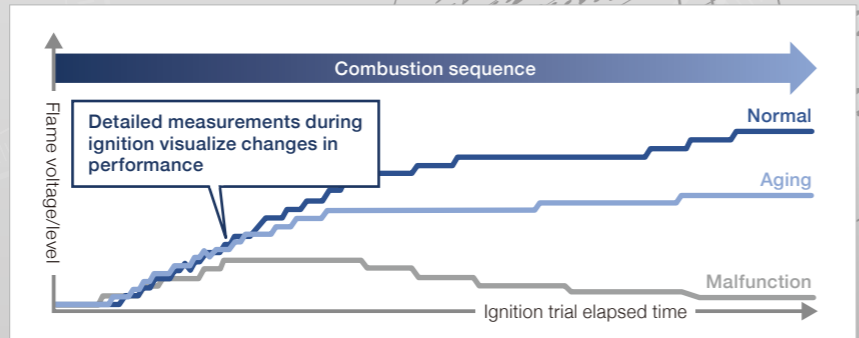
* Flame level is provided with advanced UV flame detector model AUD100/110/120.



Trial logger

Provides objective data for diagnosing ignition failure and for scheduling maintenance.

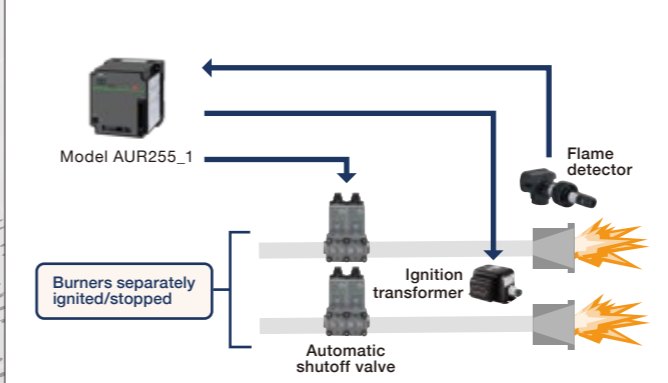
Flame measurements are collected and stored at 0.1 s intervals especially for burner ignition. Compare current flame ignition to normal or ideal ignition to check for changes.



Supports various methods of burner operation. Choose the model that fits your application.

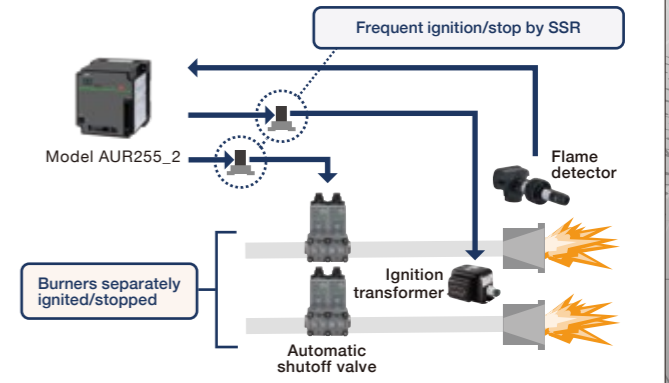
Standard Model AUR255_1

Burners are separately ignited and stopped



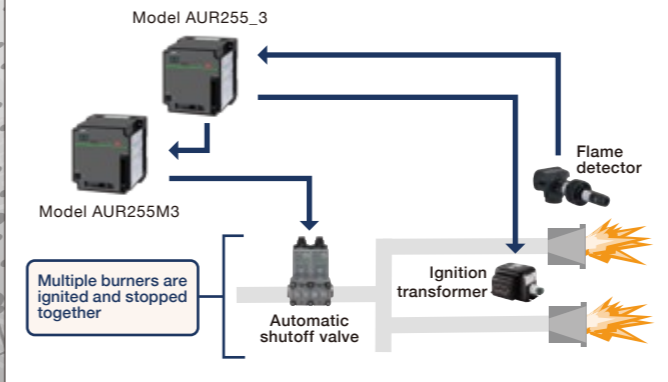
Pulse combustion Model AUR255_2

Burners are frequently and separately ignited and stopped



Simultaneous ignition Model AUR255M3/_3

Multiple burners are ignited and stopped together



Simultaneous ignition, pulse combustion Model AUR255M4/_4

Multiple burners are frequently ignited and stopped together

