

# Sprinkler

## Concealed Type Sprinkler

Paradise Concealed sprinkler is designed to meet both aesthetic and practical requirements for airport, high-class hotel, luxurious apartment, and sports facility. Its unique concealed installation hides the sprinkler behind the cover plate that is installed flush with ceiling tile. Special cover plate assembly provides 10mm of field adjustment capability, resulting in an easily accomplished tight fit against the ceiling.

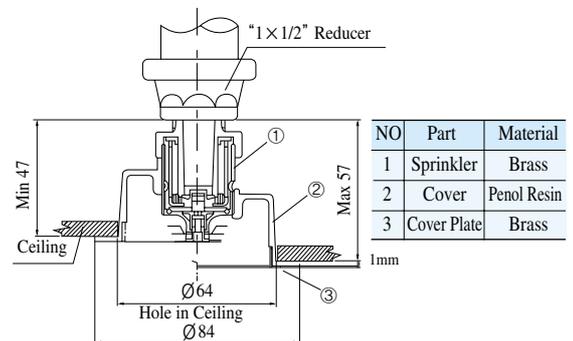
### Operation

Sprinkler absorbs heat through the cover plate secured to the supporting by fusible alloy. At its rated temperature, the cover plate falls away and exposes sprinkler to direct heat. When the fusible alloy melts, it causes deflector to drop allowing water spraying operation..

### Specification

Model No.		FH821	FH822
Working Temperature	Sprinkler	72°C	105°C
	Cover	58°C	72°C
Max. Ambient Temperature		39°C	67°C
Cover Color		White(Std)	
Connection Screw Size		15A (PT 1/2 " )	
Test Pressure		25kgf/cm <sup>2</sup>	
Flow Rate		80ℓ /min-1kgf/cm <sup>2</sup> (K=80)	
Weight		8kg/Box	
Packaging		50Ea	

### Assembly Diagram



### Cover Plate Color



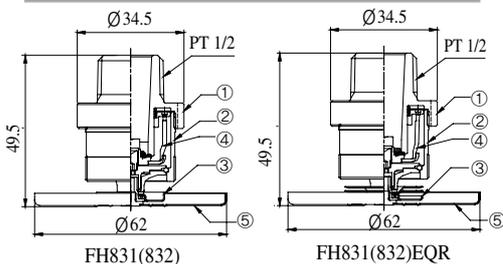
※ Color of cover plate can be custom ordered.

**FH831(832) New Concealed sprinkler** improves the disadvantage of existing 2-step operation (cover and sprinkler) that **Quick response** system cannot be applied, through new heat conduction technique, allowing single-action sprinkler operation with 2.6m of discharge radius.

### Operation

New concealed sprinkler uses special alloy fuse that causes heat collector #1 and #2 to be separated at the same time to automatically expose in-body deflector for water spraying as the working temperature is reached.

### Assembly Diagram



NO	Part	Material
1	Body	Forged Brass
2	Frame	Brass
3	Heat Collector 1	Copper
4	Deflector	Copper
5	Heat Collector 2 (Cover)	Brass

### Specification

Model No.	FH831EQR	FH832EQR	FH831	FH832
Working Temperature	72°C	105°C	72°C	105°C
Max. Ambient Temperature	39°C	67°C	39°C	67°C
Response Speed	Fast Response		Std. Response	
Discharge Radius	r 2.6m		r 2.3m	
Surface Finishing	Nickel-Chrome Plated (heat collector 2: white)			
Connection Screw Size	15A (PT 1/2 " )			
Orifice Size	Ø 11.3mm			
Test Pressure	25kgf/cm <sup>2</sup>			
Flow Rate	80ℓ /min-1kgf/cm <sup>2</sup> (K=80)			
Weight	11.5kg/Box			
Packaging	100Ea(heat collector 2 is packed separately )			

※ Color of cover plate can be custom ordered.

### Installation Diagram

