DBE Conventional Detector

■ Products

Head	Head	Head
Rate of Rise Heat Detector Standard / Wet-Free	Fixed Temperature Heat Detector (70℃) Standard / Wet-Free	Fixed Temperature Heat Detector(110℃) Standard / Wet-Free

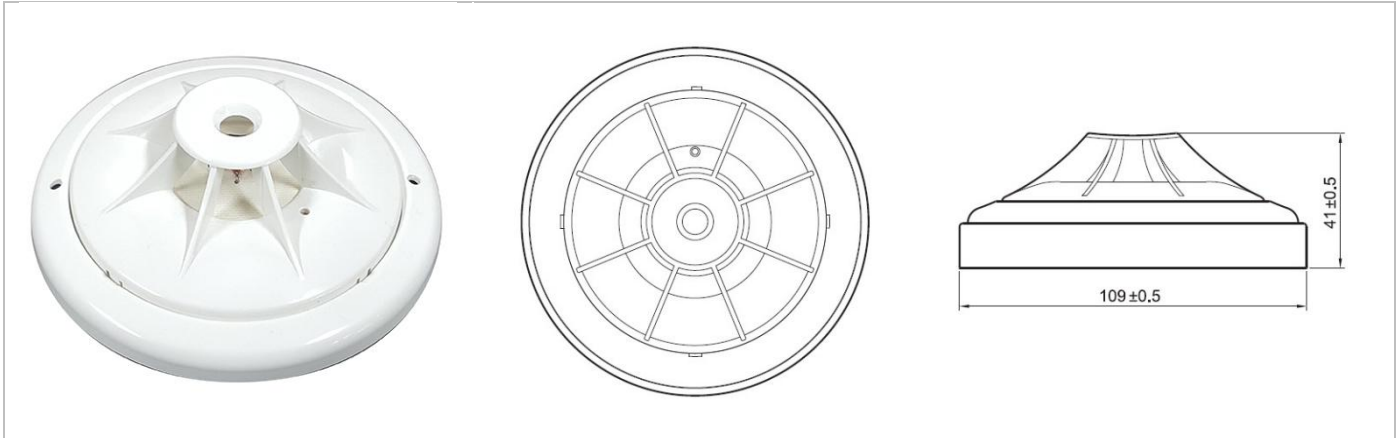| Head	Head	Base
Photoelectric Smoke Detector Non-Verification Type	Photoelectric Smoke Detector Verification Type	**SBase** Standard Base
		 108.7Ø * 14D

■ Approvals & Certificates

Product	KC Mark	KFI Type Approval
ROR Heat Head + SBase	R-REM-DBE-101DHR	감08-23-4
ROR Wet-Free Heat Head + SBase		감20-15
Fixed Temperature Heat (70℃) Head + SBase	R-REM-DBE-103DHL	감13-10-1
Fixed Temperature Wet-Free Heat (70℃) Head + SBase		감21-16
Fixed Temperature Heat (110℃) Head + SBase		감13-57-1
Photoelectric Smoke Detector (Non-Verification Type)	R-R-DBE-NewCSD	감22-90-1
Photoelectric Smoke Detector (Verification Type)	R-REM-DBE-105CSV	감18-35

■ Key Features

- 1 pair wire (2 wires - 18 AWG recommended) / non-polarized connection
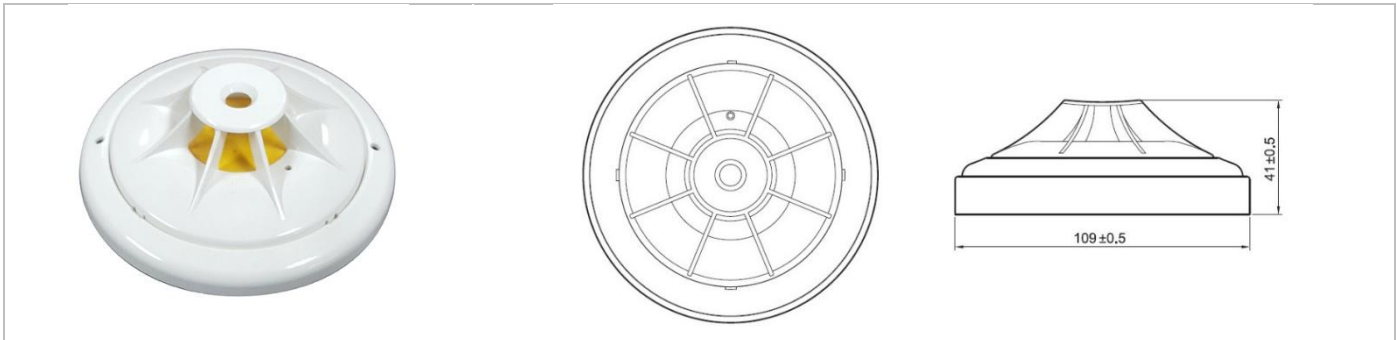- Red LED turn on when the fire is detected

■ ROR Conventional Heat Detector

A rate-of-rise (ROR) conventional heat detector is a device that signals when the temperature in a room reaches a predetermined level.

SKUs	Need to create new SKUs
Sensing Method	Uses two thermal sensors to measure the rate of change in temperature
Rated Input Voltage	DC24V±20%
Normal current	Max. 25 µA
Operating current	Max. 50 mA
Indicator (RED LED)	Turning on when the fire is detecting
Environment (Temperature/Humid)	-10℃ ~ 50℃ / 0% ~ 95%
Size (mm) / Weight (g)	108.7Ø x 46.7D / approx. 84 g including SBase
Material / Color	PC and ABS / White

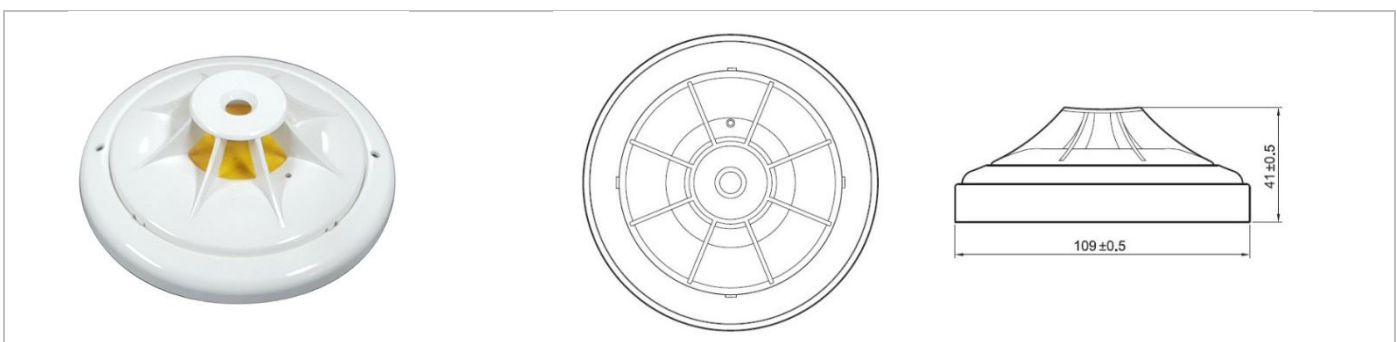## ■ Fixed Temperature Conventional Heat Detector (70℃)

A fixed temperature heat detector is a device that signals when the temperature in a room reaches a predetermined level (70℃)

SKUs	Need to create new SKUs
Sensing Method	Detecting fixed temperature, triggering the sensor and activating the alarm
Rated Input Voltage	DC24V±20%
Normal current	Max. 25 μA
Operating current	Max. 50 mA
Indicator (RED LED)	Turning on when the fire is detecting
Environment (Temperature/Humid)	-10℃ ~ 50℃ / 0% ~ 95%
Size (mm) / Weight (g)	108.7Ø x 46.7D / approx. 84 g including SBase
Material / Color	PC and ABS / White

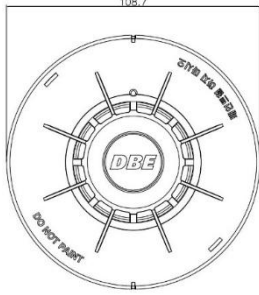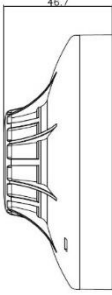## ■ Fixed Temperature Conventional Heat Detector (110℃)

A fixed temperature heat detector is a device that signals when the temperature in a room reaches a predetermined level (110℃)

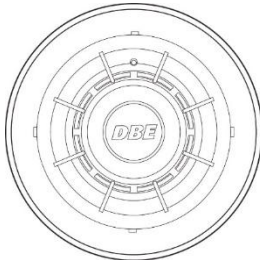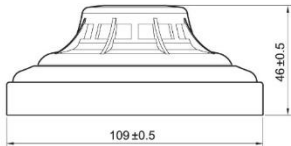| SKUs	Need to create new SKUs
Sensing Method	Detecting fixed temperature, triggering the sensor and activating the alarm
Rated Input Voltage	DC24V±20%
Normal current	Max. 25 μA
Operating current	Max. 50 mA
Indicator (RED LED)	Turning on when the fire is detecting
Environment (Temperature/Humid)	-10℃ ~ 50℃ / 0% ~ 95%
Size (mm) / Weight (g)	108.7Ø x 46.7D / approx. 84 g including SBase
Material / Color	PC and ABS / White

■ Photoelectric Conventional Smoke Detector (Non-verification Type)

A photoelectric smoke detector is a device designed to detect smoke particles in the air and set off an alarm if smoke is detected. When smoke enters a photoelectric smoke detector, it scatters the light, triggering the sensor and activating the alarm. Non-verification type refers to issuing a fire detection alarm without accumulating fire.

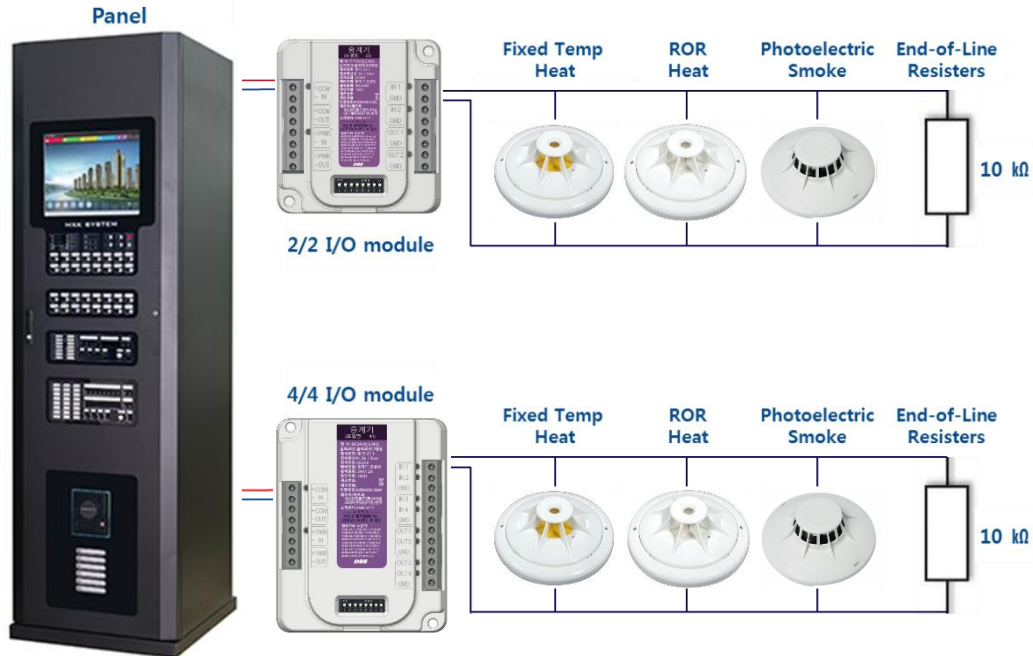|	
SKUs	Need to create new SKUs
Sensing Method	Detecting the light scattered by smoke particles, triggering the sensor and activating the alarm
Rated Input Voltage	DC24V±20%
Normal current	Max. 80 μA
Operating current	Max. 30 ㎃
Indicator (RED LED)	Turning on when the fire is detecting
Environment (Temperature/Humid)	-10℃ ~ 50℃ / 0% ~ 95%
Size (mm) / Weight (g)	108.7Ø x 46.7D / approx. 84 g including SBase
Material / Color	PC and ABS / White

■ Photoelectric Conventional Smoke Detector (Verification Type)

A photoelectric smoke detector is a device designed to detect smoke particles in the air and set off an alarm if smoke is detected. When smoke enters a photoelectric smoke detector, it scatters the light, triggering the sensor and activating the alarm. Verification type accumulates fire detection time up to 30 seconds from the initial fire detection and then an alarm is issued after the accumulation time

SKUs	Need to create new SKUs
Sensing Method	Detecting the light scattered by smoke particles, triggering the sensor and activating the alarm
Rated Input Voltage	DC24V±20%
Normal current	Max. 80 μA
Operating current	Max. 50 ㎃
Indicator (RED LED)	Turning on when the fire is detecting
Environment (Temperature/Humid)	-10℃ ~ 50℃ / 0% ~ 95%
Size (mm) / Weight (g)	108.7Ø x 46.7D / approx. 84 g including SBase
Material / Color	PC and ABS / White

■ Notice

● **Connection**

● **Number of connectable detectors per system**

System		Max. number of connectable detectors			
Panel	IO module	ROR	Fixed Temp.	Fixed Temp. Explosion	Photoelectric
N-MUX U	NU22 / NU44	35	40	15	20
MXK	NU22 / NU44	35	40	15	20
	IO250-22 / IO250-44	35	40	15	20
	MXK22/ MXK44	50	50	20	25
	DIO800	20	25	10	10
RP250 / SP-Net		25	30	10	15
Legacy P Type		20	25	10	10