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CE Europe CE ATEX KC Korea KC IECEx ISO9001 ISO14001

Flame Detector

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Installation and Example

- Jeju Aewol Base of Korea Gas Corporation
- Seoul Power Station
- Yeongdong South-East Power Corporation
- Ilsan East-West Power Corporation
- Samcheok Southern Power Corporation
- Uljin Nuclear Power Plant
- Gori Nuclear Power Plant
- Ulsan Thermal Power Plant
- Hanbit Nuclear Power Plant
- Sejong Natural Gas Power Plant
- Hyundai Steel
- Osan Cogeneration Power Plant
- KISCO
- POSCO Gwangyang Steel Mill
- Gimcheon KCC
- Doosan Electronics
- Pocheon Power
- Hyundai Motor Company
- CJ Anthracite Warehouse
- CJ Logistics Center
- Coupang Logistics Center
- Volvo Painting Part
- Hanwha Energy
- LG Chem
- Winter Olympics Stadium
- NH Logistics Warehouse
- Hankuk Paper Plant
- Military Camp Hangar
- Military Camp Ammunition Warehouse
- Samsung Semiconductor
- LOGEN Logistics Center
- Traditional Temple Disaster-Preventing System
- Green Energy
- Daeyu Winia
- Gimpo Airport
- The 2nd Terminal of Incheon Airport
- LG Science Valley
- Jinju City Hall
- Gangreung City Hall
- Songdo POSCO
- Birthplace of Gim Dae-Geon, Korea's First Catholic Priest
- Busan City Hall
- Sangju City Hall
- Doosan Heavy Industry
- Korean District Heating Corporation
- Jeju Shinhwa World
- Hyudai Oil Bank
- Hydrogen Station
- Air Liquide Korea
- Hyundai Outlet
- Solvay Chemistry
- Hyundai Mipo Dockyard
- Pohang POSCO
- Gwangyang POSCO
- SK Chemical
- Hansol Paper Plant
- Hanwha Research Institute
- LG Displayer
- Gimhae International Airport
- SK Construction
- Seongyojang House of Gangneung
- Munsusanseong Fortress
- Cheongdo County Office
- Shinsegae Department Store
- Hyudai Construction
- Cheonan Memorial Park
- Jeju Water Park
- Korea Consumer Agency New Building
- International Gas Industry
- Ganhwa County Office
- Office of Education
- Pyeongtaek Tongbok Traditional Market
- Icheon SK Air Gas
- Imyounggwan Pavilion

Certification

Patent

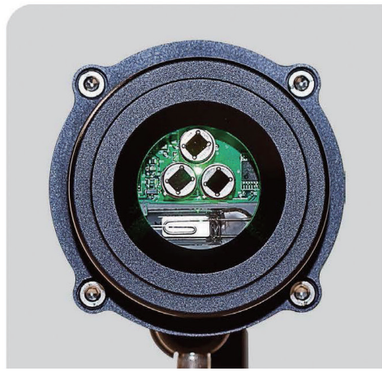
IRT-001-K
IRT-021-K

CE Europe CE
Ex ATEX
KC Korea KC
IECEx IECEx
Korea Gas Safety Corporation

Specifications

General Specifications	Kind	Flame Detector (IR3)
	Type	DC24V, Explosion Proof, Standard, Restorable, Indoor/Outdoor, Infrared, Waterproof, Conical Type with Viewing Angle of 90°, Valid Detectable Range of 30m/50m
	Model Name	IRT-001-K / IRT-021-K
External Specifications	Material	Stainless Steel (SUS316L)
	Color	Metal Silver
Electrical Specifications	Operating Voltage	DC24V ±20% (19.2~28.8V)
	Current	40mA at standby and 50mA at detection
	Contact Output	ON/OFF
	Communication Port	RS-485/4~20mA (Option)
Environmental Specifications	Operating Temperature	-40℃ ~ +85℃
	Operating Humidity	0 ~ 95%
	Installation Location	Inside/Outside of a Building
Other Specifications	Size	Diameter 50mm Length 46mm
	Weight	650g (Including Cable Gland)
	Detection Window	Sapphire
	Explosion Proof Grade	Ex d ⅡC T6, Ex tD A21 IP67 T85°C

IRT-110-K



Korea KC

Europe CE

Specifications

General Specifications	Kind	Flame Detector (IR3)
	Type	DC24V Standard Type, Restorable, Indoor/ Outdoor, Infrared/Ultraviolet, Waterproof, Conical Type with a viewing angle of 90°, Valid Detection Range of 40m
	Model Name	IRT-110-K
External Specifications	Material	Aluminum Anodizing
	Color	Black
Electrical Specifications	Operating Voltage	Voltage DC24V ±20% (19.2~28.8V)
	Current	45mA at standby and 50mA at location
	Contact Output	ON/OFF
	Communication Port	RS-485/4~20mA (Option)
Environmental Specifications	Operating Temperature	-40℃ ~ +85℃
	Operating Humidity	0 ~ 95%
	Installation Location	Inside/Outside of a Building
Other Specifications	Size	Diameter 64mm Length 50mm
	Weight	430g
	Detection Window	Sapphire

IRT-000-K
IRT-020-K

Korea KC

Europe CE

Specifications

General Specifications	Kind	Flame Detector (IR3)
	Type	DC24V Standard Type, Restorable, Indoor/ Outdoor, Infrared, Waterproof, Conical Type with a Viewing Angle of 90°, Valid Detection Range of 30m/50m
	Model Name	IRT-000-K / IRT-020-K
External Specifications	Material	Aluminum Anodizing
	Color	Black
Electrical Specifications	Operating Voltage	DC24V ±20% (19.2~28.8V)
	Current	40mA at standby and 50mA at detection
	Contact Output	ON/OFF
	Communication Port	RS-485/4~20mA (Option)
Environmental Specifications	Operating Temperature	-40℃ ~ +85℃
	Operating Humidity	0 ~ 95%
	Installation Location	Inside/Outside of a Building
Other Specifications	Size	Diameter 50mm Length 45mm
	Weight	120g
	Detection Window	Sapphire

IRT-601-K
IRT-621-K

Korea KC

Korea Gas Safety Corporation

Specifications

General Specifications	Kind	Explosion Proof Dual Flame Detector (IR6)
	Type	DC24V Explosion Proof, Standard, Restorable, Indoor/Outdoor, Infrared, Waterproof, Conical Type with a Viewing Angle of 90°, Valid Detection Range of 30m/50m
	Model Name	IRT-601-K / IRT-621-K
External Specifications	Material	Stainless Steel (SUS-316L)
	Color	Metal Silver
Electrical Specifications	Operating Voltage	DC24V ±20%(19.2~28.8V)
	Current	80mA at standby and 100mA at detection
	Contact Output	ON / OFF
	Communication Port	RS485(Option)
Environmental Specifications	Operating Temperature	-40℃ + 85℃
	Operating Humidity	0~95%
	Installation Location	Inside/Outside of a Building
Other Specifications	Size	114.5 × 43 × 55.5 (W×D×H)
	Weight	1440g (Including Cable Gland)
	Detection Window	Sapphire
	Explosion Proof Grade	Ex d ⅡC T6, Ex tD A21 IP67 T85°C

IRT-600-K
IRT-620-K

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Specifications

General Specifications	Kind	Dual Flame Detector (IR6)
	Type	DC24V Standard Type, Restorable, Indoor/ Outdoor, Infrared, Waterproof, Conical Type with a Viewing Angle of 90°, Valid Detection Range of 30m/50m
	Model Name	IRT-600-K / IRT-620-K
External Specifications	Material	Aluminum Anodizing
	Color	Black
Electrical Specifications	Operating Voltage	DC24V ±20%(19.2~28.8V)
	Current	80mA at standby and 100mA at detection
	Contact Output	ON / OFF
	Communication Port	RS485(Option)
Environmental Specifications	Operating Temperature	-40℃ + 85℃
	Operating Humidity	0~95%
	Installation Location	IInside/Outside of a Building
Other Specifications	Size	108.5 × 90 × 54.7 (W×D×H)
	Weight	830g (Including Cable Gland)
	Detection Window	Sapphire

IRT-520-K

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Specifications

General Specifications	Kind	Flame Detector (IR5)
	Type	DC24V Standard Type, Restorable, Indoor/ Outdoor, Infrared, Waterproof, Conical Type with a Viewing Angle of 90°, Valid Detection Range of 50m
	Model Name	IRT-520-K
External Specifications	Material	Aluminum Anodizing
	Color	Black
Electrical Specifications	Operating Voltage	DC24V ±20% (19.2~28.8V)
	Current	40mA at standby and 45mA at detection
	Contact Output	ON/OFF
	Communication Port	RS-485/4~20mA (Option)
Environmental Specifications	Operating Temperature	-40℃ ~ +85℃
	Operating Humidity	0 ~ 95%
	Installation Location	Inside/Outside of a Building
Other Specifications	Size	Diameter 50mm Length 40mm
	Weight	210g
	Detection Window	Sapphire

IRT-300-K

Specifications

General Specifications	Kind	Flame Detector (IR3)
	Type	DC24V Standard Type, Restorable, Indoor/ Outdoor, Infrared, Waterproof, Conical Type with a Viewing Angle of 90°, Valid Detection Range of 30m
	Model Name	IRT-300-K
External Specifications	Material	Aluminum Anodizing
	Color	Black
Electrical Specifications	Operating Voltage	DC24V ±20% (19.2~28.8V)
	Current	40mA when standing by and 50mA when detecting
	Contact Output	ON/OFF
	Communication Port	Wireless Communication 447Mhz
Environmental Specifications	Operating Temperature	-40℃ ~ +85℃
	Operating Humidity	0 ~ 95%
	Installation Location	Inside/Outside of a Building
Other Specifications	Size	Diameter 50mm Length 45mm
	Weight	120g
	Detection Window	Sapphire