KARF & SCOOT

IRT 021-A (IR3)
Flame Detectors

Ex

False-Alarm Immunity

Compact and Durable Design

Fast Response Time

ATEX and CE Certified

IRT 021-A (IR3)
Flame Detectors

THE MOST ACCURATE DETECTION

Flame Detectors utilize three infrared sensors to eliminate any false alarms. Thanks to its intelligent false-alarm immunity algorithm, it cannot be affected by misleading industrial factors such as heaters, welding sparks, halogen lamps, solar radiation, and reflected rays.

RAPID RESPONSE TIME

IRT model flame detectors are designed to give the fastest response in case of danger. The fastest solution to the safety of your employees and your facility!
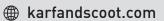
COMPACT AND DURABLE DESIGN

IRT Flame Detectors are the smallest flame detectors in the world and are designed to work in the most demanding industrial environments with their stainless steel body.

Category	Flame Detector (IR3)
Detection Angle	90° Cone
Effective Detection Distance	50m
Material	Stainless steel (SUS-316L)
Color	Metal Silver
Power	DC24V ±20% (19.2 ~28.8V)
Electric current	Stand by: 40mA
	Operation: 50mA
Contact output	ON / OFF
Communication Port	RS-485 / 4 ~20mA (Option)
Operating temperature	-40°C / +85°C
Operating humidity	0 ~ 95%
Area of Application	Indoor / Outdoor
Size	Diameter: 50mm
	Length: 46mm
Weight	650g (Cable Gland included)
Window	Sapphire
Explosion Proof	Ex d IIC T6
	Ex tD A21 IP67 T85°C

False-Alarm Immunity

Compact and Durable Design

Fast Response Time

KFI and CE Certified

IRT 110-K (IR3/UV)
Flame Detectors

THE MOST ACCURATE DETECTION

110-K Flame detector utilize three infrared and one ultraviolet sensor to eliminate any false alarms. Thanks to its intelligent false-alarm immunity algorithm, it cannot be affected by misleading industrial factors such as heaters, welding sparks, halogen lamps, solar radiation, and reflected rays.

RAPID RESPONSE TIME

IRT model flame detectors are designed to give the fastest response in case of danger. The fastest solution to the safety of your employees and your facility!

COMPACT AND DURABLE DESIGN

IRT Flame Detectors are the smallest and lightest flame detectors in the world and are designed to work in the most demanding industrial environments with their anodized aluminum body.

Category	Flame Detector (IR3)
Detection Angle	90° Cone
Effective Detection Distance	40m
Material	Aluminum Anodizing
Color	Black
Power	DC24V ±20% (19.2 ~28.8V)
Electric current	Stand by: 40mA
	Operation: 50mA
Contact output	ON / OFF
Communication Port	RS-485 / 4 ~20mA (Option)
Operating temperature	-40°C / +85°C
Operating humidity	0 ~ 95%
Area of Application	Indoor / Outdoor
Size	Diameter: 64mm
	Length: 50mm
Weight	430g (Cable Gland included)
Window	Sapphire

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