

**KARF &
SCOOT**

Flame Detectors



False-Alarm Immunity



**Ergonomic and
Durable Design**



**Fast
Response Time**



**ATEX and CE
Certified**

IRT Flame Detectors

(IRT-021-A & IRT-110-K)

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!

ERGONOMIC AND DURABLE DESIGN

IRT Flame Detectors are the lightest 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/UV)	Category	Flame Detector (IR3)
Material	Aluminum Anodizing	Material	Stainless steel (SUS-316L)
Color	Black	Color	Metal Silver
Power	DC24V \pm 20% (19. ~28.8V)	Power	DC24V \pm 20% (19. ~28.8V)
Electric current	Stand by: 40mA Operation: 50mA	Electric current	Stand by: 40mA Operation: 50mA
Contact output	ON / OFF	Contact output	ON / OFF
Communication Port	RS-485 / 4 ~20mA (Option)	Communication Port	RS-485 / 4 ~20mA (Option)
Operating temperature	-40°C / +85°C	Operating temperature	-40°C / +85°C
Operating humidity	0 ~ 95%	Operating humidity	0 ~ 95%
Area of Application	Indoor / Outdoor	Area of Application	Indoor / Outdoor
Size	Diameter: 50mm Length: 43mm	Size	Diameter: 56mm Length: 42mm
Weight	430g (Cable Gland included)	Weight	650g (Cable Gland included)
Window	Sapphire	Window	Sapphire
		Explosion Proof	Ex d IIC T6 Ex tD A21 IP67 T85°C