



## Flame Detection Checklist

Please fill in this form as complete as possible and send it to SENSE-WARE [info@sense-ware.com](mailto:info@sense-ware.com) for a free advise,

Item	Check
<b>1a Which combustible must be detected?</b>	
Wood	
Paper	
Plastic (packaging)	
Petrol or gasoline and equivalent	
Solvents like xylene and toluene	
Natural gas	
Butane, propane and equivalent	
Ether, Methanol and equivalent	
Hydrogen	
Sulfur and metals like magnesium	
Ammunition	
<b>1b Which color do you think the flame will have?</b>	
Yellow/red	
Yellow/blue	
Blue	
Transparent/light blue	
<b>2a What should be the size of the fire to be detected? Check</b>	
0.1 m2 (33 x 33 cm) 1.2 sqft	
0,25 m2 (50 x 50 cm) 2.7 sqft	
1 m2 (100 x 100 cm) 11 sqft	
<b>2b What us the distance to the fire to be expected? Check</b>	
Less than 5 meter (15 ft)	
Less than 10 meter (30 ft)	
Less than 15 meter (45 ft)	
More than 15 meter (45 ft)	
<b>3a Do the following inhibitors apply?</b>	
Water vapor, spray or fog	
Oil and grease; mist or spray	
Ice film	
Salt film	
<b>3b What is the climate?</b>	
Tropical	
Subtropical	
moderate	
Cold	
Extremely cold	
<b>3c Is it an indoor or an outdoor application? Check</b>	
Indoor	
Outdoor	
Roof only	
<b>3d What is the application? Check</b>	
Industrial	
Domestic	
Outback	
<b>4 Are the unwanted-alarm sources? Check</b>	
Electrical welding within 3 km distance	
Direct sunlight on the detector window	
Static arcs	
Heat and hot machinery	
Movements and chopped hot objects	
<b>5 What are the requirements regarding the response time?</b>	
Less than 10 ms (for example for ammunition)	
At least 10 seconds	
Less than 30 seconds	
<b>6 Can you easily repair and maintain the detectors?</b>	
Bad	
Fair	
Good	