

21. SS Series of UV and UV/IR Fire and Flame Detectors

Quick Reference Chart



		SS4-A	SS4-AS	SS4-AUV	SS3-A	SS2-A	SS2-AM
SPECTRAL SENSITIVITY	Ultraviolet Band (0.18 - 0.26 μ)	✓	✓	✓	✓	✓	✓
	Visible Band (0.4 - 0.7 μ)	✓	✓		✓	✓	✓
	WideBand IR (0.7 - 3.5 μ)	✓	✓		✓	✓	✓
SENSITIVITY (in feet)*	Very High	60	60	60	30	60	60
	High	45	45	45			
	Medium	30	30	30			
	Low	15	15	15			
RESPONSE	Ultra High-Speed Response (Munitions)						✓
	Optimized Response (H ₄ Si, H ₂ , Alcohols, CH ₄)		✓				
	Standard Response	✓		✓	✓	✓	
OTHER	Field of View	120°	120°	120°	120°	120°	120°
	HART Option	✓	✓	✓			
	Modbus Option						
	4-20 mA Option	✓	✓	✓			
ENCLOSURE	Aluminum	✓	✓	✓		✓	✓
	316 Stainless Steel	✓	✓	✓		✓	✓
	ABS Plastic				✓		
APPROVALS	FM	✓	✓	✓	✓	✓	✓
	cFM	✓	✓	✓	✓	✓	✓
	ATEX	✓	✓	✓			
	IECEX	✓	✓	✓			
	INMETRO	✓					
	GOST-R	✓					
	SIL 2 Compliant	✓	✓	✓			
TEST LAMP/SOURCE	FT-2145 (Explosion Proof)	✓	✓	✓	✓	✓	✓
	DD85001 (Short Range) - Discontinued	✓	✓	✓	✓	✓	✓
	85001 - Discontinued			✓			
	TS2 - Discontinued					✓	✓
MOUNT	SM4	✓	✓	✓		✓	✓
	188424				✓		

*Detection distance for a one sq. ft. reference heptane pan fire

22. Series of UV and UV/IR Fire and Flame Detectors

Applications Chart



	SS4-A	SS4-AS	SS4-AUV	SS3-A	SS2-A	SS2-AM	
GENERAL	Airbag Manufacturing	○	○	○	○	●	
	Aircraft Hangars	●	○	○	○	○	
	Airport Terminals	●	○	○	○	○	
	Cold Storage Warehouses	●	○	○	○	○	
	Engine Test Cells	●	○	○	○	○	
	General Warehouse	●	○	○	○	○	
	Lumber Storage	●	○	○	○	○	
	Marine Engine Rooms	●	○	○	○	○	
	Marine Terminals	●	○	○	○	○	
	Munitions	○	○	○	○	○	●
	PowerPlants	●	○	○	○	○	○
OIL, GAS & PETROCHEMICALS	Acetylene Processing and Storage	○	●	○	○	○	
	Chemical Storage	●	●	○	○	○	
	Cogeneration Plants	●	○	○	○	○	
	Crude and Product Tank Farms	●	○	○	○	○	
	Ethanol Production and Storage	○	●	○	○	○	
	Gas Collection Facilities	●	○	○	○	○	
	Gas Compressor Buildings	●	●	○	○	○	
	Gas Processing Plants	●	○	○	○	○	
	Gas Turbine Enclosures	○	○	○	○	○	
	Gasoline Loading Terminals	●	○	○	○	○	
	Isopropanol (IPA) Production and Storage	○	●	○	○	○	
	LNG Storage/Distribution	○	●	○	○	○	
	LPG Storage/Distribution	●	○	○	○	○	
	Methanol Production and Storage	○	●	○	○	○	
	Natural Gas and CNG Plants	○	●	○	○	○	
	Offshore Drilling Platforms	●	○	○	○	○	
	Offshore Production Platforms	●	○	○	○	○	
	Petrochemical Plants	●	●	○	○	○	
	Petroleum Product Pipelines	●	○	○	○	○	
	Petroleum Product Pumping Stations	●	○	○	○	○	
Rail and Truck Loading/Unloading	●	○	○	○	○		
Refineries	●	○	○	○	○		
SEMICONDUCTOR	Clean Rooms	○	○	○	●	○	
	Gas Cabinets	○	●	○	○	○	
	Hydrogen Gas Cabinets	○	●	○	○	○	
	Hydrogen Plants	○	●	○	○	○	
	Hydrogen Storage	○	●	○	○	○	
	IPA Stations	○	●	○	○	○	
	Silane Gas Cabinets	○	●	○	○	○	
	Silane Gas Manufacturing	○	●	○	○	○	
	Silane Gas Storage	○	●	○	○	○	

● Recommended ○ Suitable ○ Not Recommended