



333 Bayview Avenue
Amityville, New York 11701
For Sales and Repairs, (800) 645-9445
For Technical Service, (800) 645-9440
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FWC-FSLC-SMK, FWC-FSLC-SMKALG, FWC-FSLC-HEAT, FWC-FSLC-SMK6B & FWC-FSLC-SMK4B DATA SHEET

WI1928 09/10

ORDERING INFORMATION

FWC-FSLC-SMK: Addressable SLC Photoelectric Smoke Detector

FWC-FSLC-SMKALG: Replacement head for the FWC-FSLC-DUCT Photoelectric Analog Duct Detector (see WI1711).

FWC-FSLC-HEAT: Addressable SLC Heat Detector 135°F

FWC-FSLC-SMK6B: 6" Analog Smoke Detector (base only).

FWC-FSLC-SMK4B: **FWC-FSLC-SMK6B** - 6" Analog Smoke Detector (base only).

Note: These sensors are compatible exclusively with fire alarm control panels that utilize Napco's protocol, DCP. For installation instructions, see WI1709.

AGENCY LISTINGS

UL268: Smoke Detectors for Fire Alarm Signaling Systems (FWC-FSLC-SMK, FWC-FSLC-SMK6B & FWC-FSLC-SMK4B)

UL268A: Smoke Detectors for Duct Application (FWC-FSLC-SMKALG replacement head for the FWC-FSLC-DUCT)

UL521: Heat Detectors for Fire Protective Signaling Systems (FWC-FSLC-HEAT)

NFPA 72 National Fire Alarm Code

CSFM: California State Fire Marshall (Pending)

FM Approval: (Pending)

NYCFD: NYC Fire Department (Pending)

SPECIFICATIONS

CATEGORY	FWC-FSLC-SMK	FWC-FSLC-SMKALG	FWC-FSLC-HEAT	FWC-FSLC-SMK6B	FWC-FSLC-SMK4B
Absolute Maximum Applied Voltage	39.5 VDC	41.0 VDC	41.0 VDC	41.0 VDC	41.0 VDC
Operating Voltage Range (Vi) (S-SC)	22.9 ~ 39.5 VDC	24 ~ 40.7 VDC	24 ~ 40.7 VDC	24 ~ 40.7 VDC	24 ~ 40.7 VDC
Sensitivity Range	SEE CHART BELOW	SEE CHART BELOW	57.2°C ~ 65.5°C (135°F ~ 150°F)	N/A	N/A
Current Consumption (S-SC) Normal Mode	390µA Typical 800µA Maximum	390µA Typical 540µA Maximum	350µA Typical 500µA Maximum	N/A	N/A
Current Consumption (S-SC) When Polled	2mA	2mA	2mA	N/A	N/A
Alarm Current (S-SC)	(See Base)	(See Base)	(See Base)	8mA (Typical)	8mA (Typical)
Remote LED Current	(See Base)	(See Base)	(See Base)	8mA (Typical)	8mA (Typical)
Device Type Code	88 Hex	88 Hex	98 Hex	N/A	N/A
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
UL listed temperature	0°C ~ 37.8°C (32°F ~ 100°F)	0°C ~ 37.8°C (32°F ~ 100°F)	0°C ~ 47°C (32°F ~ 115°F)	0°C ~ 47°C (32°F ~ 115°F)	0°C ~ 47°C (32°F ~ 115°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Test	*	*	*	N/A	N/A
Dimensions	3-15/16"D X 1-1/2"H	3-15/16"D X 1-1/2"H	3-15/16"D X 1-9/16"H	5-7/8"D X 15/32"H	4-1/8"D X 5/16"H
Environment	Indoor Use Only	Indoor Use Only	Indoor Use Only	Indoor Use Only	Indoor Use Only
Visual Alarm/Power Indicator	Dual LED	Dual LED	Dual LED	See Sensor	See Sensor
Address Setting	*	*	*	N/A	N/A

* = See Control Panel For proper address setting and testing procedure.

SENSITIVITY RANGES

VELOCITY (fpm)	FWC-FSLC-SMKALG (%/ft.)	FWC-FSLC-SMK (%/ft.)
300	.88 ~ 3.57	0.5 ~ 3.80
2000	.88 ~ 2.81	0.5 ~ 2.74
4000	.88 ~ 2.52	0.5 ~ 2.68

BASE

BOX MOUNTING

	3"-O	4"-O	4"-S
FWC-FSLC-SMK6B	YES	YES	YES
FWC-FSLC-SMK4B	YES	NO	NO