

# UROX.S24238 - Smoke Detectors for Fire Alarm Systems

## Smoke Detectors for Fire Alarm Systems

### LICHFIELD FIRE & SAFETY EQUIPMENT CO LTD

UNIT 8, CALIBRE INDUSTRIAL PARK

LACHES CLOSE FOUR ASHES

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S24238

### Investigated To UL 268 (7th ed.)

Products Suitable for Ducts, D(I) and D(ST) are investigated to UL 268A

Detector Model	Application	Type	Compatibility Restrictions	Velocity Range (fpm)		Date of Manufacture	Time of Manufacture Firmware Version	Firmware Version Update
				Min	Max			
LE-SOE-24H	OAP, D(I)	P(IHD)	D6	300	4000	OCT. 2021	1.10	-
LE-SOE-24V	OAP, D(I)	P(IHD)	D6	300	4000	Oct. 2021	1.10	-

### Investigated To UL 268 (previous editions)

Products Suitable for Ducts, D(I) and D(ST) are investigated to UL 268A

Detector Model	Application	Type	Compatibility Restrictions	Velocity Range (fpm)		Date of Manufacture	Time of Manufacture Firmware Version	Firmware Version Update
				Min	Max			
LE-ACA-V	OAP, D	P	D2	0	4000	-	-	-
LE-ACC-V	OAP, D	P	D2	0	4000	-	-	-
LE-ACD-V	OAP, D(I)	P	D2	0	4000	-	-	-
LE-AIE-EA	OAP	I	D2	0	300	-	-	-
LE-ALG-V	OAP	P	D2	0	4000	-	-	-
LE-ALK-D	D	P	D2	0	4000	-	-	-
LE-ALK-V	OAP	P	D2	0	4000	-	-	-
LE-ALN-V	OAP, D	P	D2	0	4000	-	-	-
LE-DH-98A, LE-DH-98AR	D(ST)	I	D2	300	4000	-	-	-
LE-DH-98I	D(ST)	I	None	300	4000	-	-	-
LE-DH-98P	D(ST)	P	None	300	4000	-	-	-
LE-DH-98A, LE-DH-98AR	D(ST)	I	D2	300	4000	-	-	-

<b>LE-DH-99-A, LE-DH-99-AR</b>	D(SI)	P	D2	300	4000	-	-	-
<b>LE-SIJ-24</b>	OAP	I	D2	0	300	-	-	-
<b>LE-SLR-24H</b>	OAP	P	D6	0	1000	-	-	-
<b>LE-SLR-24V, LE-SLR-24VN</b>	OAP	P	D6	0	4000	-	-	-
<b>LE-SLV-24N</b>	OAP	P	D2	0	300	-	-	-
<b>LE-SLV-24V</b>	OAP	P	D2	0	4000	-	-	-
<b>LE-SOC-24V</b>	OAP, D, D(I)	P	D2	300	4000	-	-	-
<b>LE-SOC-24VN</b>	OAP, D, D(I)	P	D2	300	4000	-	-	-
<b>LE-SPC-24</b>	OAP	PB	D4	-	-	-	-	-
<b>LE-SRA-24</b>	OAP	PB	D4	-	-	-	-	-
<b>LF-PE-4100</b>	OAP	P	D1	0	300	-	-	-

Base Model	Related Detector	Control Unit Compatibility Restrictions
<b>LE-ASB</b>	LE-ALG-V, LE-AIE-EA, LE-ALK-V, LE-ATG-EA, LE-ACA-V, LE-ATJ-EA, LE-ALN-V, LE-ACC-V, LE-ACD-V	B2
<b>LE-HSB-DCP-6</b>	-	B4
<b>LE-HSC-220L</b>	LEALG-V, LE-AIE-EA, LE-ALK-V	B2
<b>LE-HSC-220R (b)</b>	LE-SIJ-24, LE-SLR-24H, LE-SLR-24V, LE-SLR-24VN	B2
<b>LE-HSC-4R (b)</b>	LE-SIJ-24, LE-SLR-24H, LE-SLV-24V, LE-SLV-24N, LE-SOC-24V, LE-SOC-24VN	None
<b>LE-NS4-100 (b)</b>	LE-SLV-24V, LE-SLV-24N,, LE-SLR-24V, LE-SLR-24VN, LE-SLR-24H, LE-SOC-24V, LE-SOC-24VN	B2
<b>LE-NS4-220 (b)</b>	LE-SLV-24V, LE-SLV-24N, LE-SLR-24V, LE-SLR-24VN, LE-SLR-24H, LE-SOC-24V, LE-SOC-24VN	B2
<b>LE-NS6-100 (b)</b>	LE-SLV-24V, LE-SLV-24N,, LE-SLR-24V, LE-SLR-24VN, LE-SLR-24H, LE-SOC-24V, LE-SOC-24VN	B6
<b>LE-NS6-220 (b)</b>	LE-SLV-24V, LE-SLV-24N,, LE-SLR-24V, LE-SLR-24VN, LE-SLR-24H, LE-SOC-24V, LE-SOC-24VN	B6
<b>LE-SBC-2</b>	LE-SIJ-24, LE-SLR-24V	B2
<b>LE-SBC-4/24</b>	LE-SL-24V	None

<b>LE-YBN-NSA-4, LE-HSB-NSA-6</b>	LE-ALG-V, LE-AIE-EA, LE-ALK-V, LE-ACD-V	B2
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LF-DB-4100	LF-PE-4100	B1
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- B1 - Listing limited to specific system control unit. Information on compatible control unit indicated on installation drawing of control unit and/or detector.
- B2 - For connection to Listed control units with which compatibility was determined by test or a review of circuit parameters. Interconnection and compatible models indicated on installation wiring diagram for detector (base) and/or control unit.
- B4 - For connection to any manufacturer's Listed compatible control unit.
- B6 - This base is also suitable for connection to any manufacturer's Listed compatible control unit in a four-wire configuration, as indicated on the installation drawing of control unit and/or detector/base.
- D1 - Listing limited to specific system control unit. Information on compatible control unit indicated on installation drawing of control unit and/or detector.
- D2 - For connection to Listed control units with which compatibility was determined by test or a review of circuit parameters. Interconnection and compatible models indicated on installation wiring diagram for detector (base) and/or control unit.
- D4 - For connection to any manufacturer's Listed compatible control unit.
- D6 - When using 2-wire bases Listing limited to specific system control unit. Information on compatible control unit indicated on installation drawing of control unit and/or detector. When using 4 wire bases, no restriction on compatibility.
- OAP - Open Area Protection
- D(I) - Duct Detector - Installation Inside Duct
- P - Photoelectric
- IHD - Includes Integral Heat Detector
- D - Duct Detector
- I - Ionization
- D(ST) - Duct Detector - Sampling Tubes
- PB - Projected Beam

**Date of Manufacture** identifies the manufacturing start date of all product models that will use the specific Time of Manufacture Firmware Version. The date of manufacture is noncoded and in the format YEAR (in 4 digits), MONTH (in letters), DAY (in 2 digits).

**Time of Manufacture Firmware Version** identifies a numerical and/or alphabetic series designation that is product and date-code specific and will only identify the Firmware Version at the time the product was manufactured. The numeric and/or alphabetic sequence is defined by the manufacturer.

**Firmware Version Update** is a numerical and/or alphabetic sequential identification that is product and date-code specific and sequentially identifies the Firmware Version Update from the previous version of firmware. The numerical and/or alphabetic sequence is defined by the manufacturer.

(b) - May be followed by the suffix "W".

Trademark and/or Tradename: 

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