



Smoke Detectors for Fire Alarm Systems

COMPANY

S853

Edwards/Kidde Commercial

8985 Town Center Pkwy
Bradenton, FL 34202 United States

Investigated to UL 268 (7th ed.)

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

Detector

Compatibility

Velocity Range
(fpm)

date
of

Time of
Manufacture

Firmware
Version

Model

Application
Type

Restrictions

Min

Max

Manufacture

Firmware Version

Update

EC-5000R

OAP

PB

None
-
-
May 27, 2025
3.9
-

<i>EC1-120</i>
OAP
PB
None
-
-
June 15, 2018
1.2.0
-

<i>EC1-50</i>
OAP
PB
None
-
-
June 15, 2018
1.2.0
-

<i>EC2-OS, KC2-OS, KC2-OS-CD, EC2-OSH, KC2-OSH, KC2-OSH-CD</i>
OAP
P
D1
0
300
20210121
2.0
-

EC3000-016	
	OAP
	PB
	None
	-
	-
	2024-11-05
	Tx - 1.2, Rx - 2.2
	-

EC3000-103	
	OAP
	PB
	None
	-
	-
	2024-11-05
	Tx - 1.2, Rx - 2.2
	-

EC5000X	
	OAP
	PB
	None
	-
	-
	May 27, 2025
	3.9
	-

EDC-M9101N	
	OAP
	P(IHD)
	D6
	0
	300

2023-02-01
1.0
-

EDC-M9102N
OAP
P
D6
0
300
2023-02-01
1.0
-

KC1-120
OAP
PB
None
-
-
June 15, 2018
1.2.0
-

KC1-50
OAP
PB
None
-
-
June 15, 2018
1.2.0
-

KC3000-016
OAP
PB

None
-
-
2024-11-05
Tx - 1.2, Rx - 2.2
-

KC3000-103
OAP
PB
None
-
-
2024-11-05
Tx - 1.2, Rx - 2.2
-

KIR-OSCD, KIR-OSHCD
OAP
P
Dl
-
-
-
-
-

KIR-OSD, KIR-OSHD
OAP, D(I)
P
Dl
0
4000
-
-
-

SIGA-OSCD, SIGA-OSHCD, SIGA-OSHCDB, KI-OSCD, KI-OSHCD, SIGI-OSCD, SIGI-OSHCD, SIGA-OSCD-NL, SIGA-OSHCD-NL	
	OAP
	P
	D1
	-
	-
	-
	-
	-

SIGA-OSD, SIGA-OSD-FCN, SIGA-OSHD, SIGA-OSHD-FCN, SIGA-OSHDB, KI-OSD, KI-OSHD, JTF-GOM-SIGA-OSHD, JTY-GM-SIGA-OSD, JTY-GDM-SIGA-DS3C, SIGA-DS3I, SIGI-OSD, SIGI-OSHD, SIGA-OSD-IN, SIGA-OSHD-IN,	
	OAP, D(I)
	P
	D1
	0
	4000
	2021-04-01
	1.0
	1.0

SIGA-OSD-MR, SIGA-OSHD-MR	
	OAP, D(I)
	P
	D1
	0
	4000
	2025-05-01
	1.0
	-

SIGA-OSHCD-IAQ	
	OAP
	P
	D1

-
-
-
-
-

TSD-CJ, ESD-CJ, SD-CJ, TSD-CT, ESD-CT, SD-CT, TSD-CJG, TSD-4WJ24, TSD-CT24 and TSD-CJ24	
	D
	P
	D2
	100
	4000
	-
	-
	-

Detector

Compatibility

Velocity Range
(fpm)

Pressure Differential Between
Sampling Tube

date
of

Time of
Manufacture

Firmware
Version

Model

Application
Type

Restrictions

Min

Max

Min

Max
Manufacture
Firmware Version
Update

<i>SIGA-DDOS, KI-DDOS, KIR-DDOS</i>	
	D(ST)
	P
	D5
	100
	4000
	0.01
	0.83
	-
	-
	-

<i>TSD-SJ, ESD-SJ, ESD-4WJ, SD-4WJ, SD-SJ, TSD-SJG, TSD-SJCO2, TSD-ST, ESD-ST, SD-ST, TSD-STCO2, SIGA-SD, GSA-SD, XLS-SD, ESD-2W, SD-2W, E-PDD, FX-PDD</i>	
	D, D(ST)
	P
	D5
	100
	4000
	0.005
	1.00
	-
	-
	-

Base Model

Related Detector

Control Unit
Compatibility Restrictions

EC2-SB, EC2-SB4, EC2-RB, EC2-RB4, KC2-SB, KC2-SB4, KC2-RB, and KC2-RB4
EC2-OS, KC2-OS, KC2-OS-CD, EC2-OSH, KC2-OSH, KC2-OSH-CD
B1

EDB-M01N
DI-M9101N*, DI-M9102N, DC-M9101N*, DC-M9102N
B5

SIGA-DMP and KI-DMP
SIGA-SDH, SIGA-SDHR, KI-SDH, KI-SDHR
None

SIGA-SB, SIGA-SB4, SIGA-RB, SIGA-RB4, SIGA-IB, SIGA-IB4, SIGI-IBS, GSA-SB, GSA-SB4, GSA-RB, GSA-RB4, GSA-IB, GSA-IB4, KI-SB, KI-RB, KI-SB4, KI-RB4, KI-IB, KI-IB4, SIGI-SB, SIGI-SB4,EC2-SB, EC2-SB4, EC2-RB, EC2-RB4, KC2-SB, KC2-SB4, KC2-RB, and KC2-RB4, SIGA-TS, GSA-TS, SIGA-TSB, SIGA-TS4,SIGA-RBB, SIGA-RB4B, SIGA-IBB, SIGA-IB4B, SIGA-SBB, SIGA-SB4B, KI-SBB, KI-SB4B, TS4B
SIGA-OSCD, SIGA-OSHCD, SIGA-OSHCDB , KI-OSCD, KI-OSHCD, SIGI-OSCD, SIGI-OSHCD, SIGA-OSCD-NL, SIGA-OSHCD-NL
B1

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

Detector

Compatibility

Velocity Range
(fpm)

Pressure Differential Between
Sampling Tube

date
of

Time of
Manufacture

Firmware
Version

Model

Application

Type
Restrictions
Min
Max
Min
Max
Manufacture
Firmware Version
Update

<i>B501F (k), DH200RPF (k)</i>	
	D(ST)
	P
	D2
	500
	4000
	0.01
	1.2
	-
	-
	-

<i>SIGA-SDH, SIGA-SDHR, KI-SDH, KI-SDHR</i>	
	D(ST)
	P
	D1
	300
	4000
	0.005
	1.0
	-
	-
	-

Base Model

Related Detector
Control Unit
Compatibility Restrictions

SIGI-AB4G(w),SIGA-LPS

SIGI-PD, SIGI-PHD, SIGI-PHCD, SIGI-PCD, JTY-GDM-SIGA-DS2C, SIGA-DS2I

B1

SIGI-AB4G-LF-CA

SIGI-PD, SIGI-PHD, SIGI-PHCD, SIGI-PCD

B1

SIGI-AB4G-LF

SIGI-PD, SIGI-PHD, SIGI-PHCD, SIGI-PCD

B1

SIGI-AB4GT

SIGI-PD, SIGI-PHD, SIGI-PHCD, SIGI-PCD

B1

GSA-AB4G

SIGA-OSD, SIGA-OSHD, SIGA-OSCD, SIGA-OSHCD, SIGA-OSHDB, SIGA-OSHCDB, KI-OSD, KI-OSHD, KI-OSCD, KI-OSHCD

B1

KI-ABST

KIR-OSD, KIR-OSHD, KIR-OSCD, KIR-OSHCD

B1

SIGI-AB4G

SIGA-OSD, SIGA-OSHD, SIGA-OSCD, SIGA-OSHCD, SIGA-OSHDB, SIGA-OSHCDB, KI-OSD, KI-OSHD, KI-OSCD, KI-OSHCD

B1

SIGI-AB4G, SIGA-LPS

SIGI-PD, SIGI-PHD, SIGI-PHCD, SIGI-PCD, JTY-GDM-SIGA-DS2C, SIGA-DS2I

B1

B1 – Listing limited to specific system control unit. Information on compatible control unit indicated on installation drawing of control unit and/or detector.

B5 – For use only with Listed control units with which compatibility was determined by test.

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.

D5 – For use only with Listed control units with which compatibility was determined by test.

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.

#1 – Analog detectors. For use with ESA 2000 control panel.

*1 – Analog detectors. For use with ESA 2000 control panel.

OAP – Open Area Protection

PB – Projected Beam

P – Photoelectric

IHD – Includes Integral Heat Detector

D(I) – Duct Detector – Installation Inside Duct

D – Duct Detector

D(ST) – Duct Detector – Sampling Tubes

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.

(k) – Suitable for use in ambient temperatures of 0–55 C (23–131 F).

(w) – Includes integral audible signal.

* – Represents A–Z incl. except for C. May be used as a marketing technique.

t – For use with base B501, B224BI and B224RB

Trademark and/or Tradename: "E" in a Shield", "Dukane", "ESL", "EST", "Edwards", "Edwards Co Inc", "Edwards Company Inc", "Edwards Signaling", "Edwards System Technology", "FAST", "Fire Alarm Systems Technology", "FireworX", "G.S. Building Systems Corp.", "GE Security", "GE Security Inc", "GS", "GSBS", "Interlogix Inc", "Kidde

Commercial", "Mirtone", "S853", "Sentrol", "Vigilant", "Walter Kidde Portable Equipment Inc.", "Ziton", ,



Last Updated on 2025-06-25

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