

Smoke Detectors for Fire Alarm Systems

COMPANY

TRIGA Life Safety Systems L L C

7600 Olde Eight Rd.
Hudson, OH 44236 United States

S36448

Investigated to UL 268 (7th ed.)

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

Detector Model	Compatibility			Velocity Range (fpm)		date of	Time of Manufacture	Firmware Version
	Application	Type	Restrictions	Min	Max	Manufacture	Version	Update
TR-FIRE-CO-W (c)(d)(e)(f), TR-FIRE-CO-IV (c)(d)(e)(f), TR-PTIR-W (c)(f), TR-PTIR-IV (c)(f)	OAP	P	D2	-	-	-	-	-
TR-OSI-RI	OAP	PB	D4	-	-	-	-	-
TR-PHOTO-T-W (b), TR-PHOTO-T-IV (b),	OAP, D(I)	P	D2	0	4000	-	-	-
TR-PHOTO-W (a), TR-PHOTO-IV (a), TR-PHOTO-R-W (a), TR-PHOTO-R-IV (a)	OAP, D(I)	P	D2	0	4000	-	-	-

Base Model	Related Detector	Control Unit Compatibility Restrictions
TR-B224BI-IV	-	B4
TR-B224BI-WH	-	B4
TR-B224RB-IV	-	B4
TR-B224RB-WH	-	B4
TR-B501BH-3 (e) (f)	TR-FIRE-CO-W (c)(d)(e)(f), TR-FIRE-CO-IV (c)(d)(e)(f), TR-PHOTO-T-W (b), TR-PHOTO-T-IV (b), TR-PHOTO-W (a), TR-PHOTO-IV (a), TR-PHOTO-R-W (a), TR-PHOTO-R-IV (a), TR-PTIR-W, TR-PTIR-IV,	B3
TR-B501BH-3-W (e) (f)	TR-FIRE-CO-W (c)(d)(e)(f), TR-FIRE-CO-IV (c)(d)(e)(f), TR-PHOTO-T-W (b), TR-PHOTO-T-IV (b), TR-PHOTO-W (a), TR-PHOTO-IV (a), TR-PHOTO-R-W (a), TR-PHOTO-R-IV (a), TR-PTIR-W, TR-PTIR-IV	B3

Feedback

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 Update
				Min	Max			
TRW-ACCLIMATE	OAP	P(RF)	D2	0	4000	-	-	-
TRW-PHOTO	OAP	P(RF)	D2	0	4000	-	-	-

Detector Model	Application	Type	Compatibility Restrictions	Velocity Range (fpm)		Pressure Differential Between Sampling Tube		date of Manufacture	Time of Manufacture	Firmware Version Update
				Min	Max	Min	Max			
TR-DNR	D(ST)	P	D2	100	4000	0.01	1.11	-	-	-
TR-DNRW	D(ST)	P	D2	100	4000	0.01	1.11	-	-	-

Base Model	Related Detector	Control Unit Compatibility Restrictions
TR-B200S-IV	-	B4
TR-B200S-LF-IV	-	B4
TR-B200S-LF-WH	-	B4
TR-B200S-WH	-	B4
TR-B200SR-IV	-	B4
TR-B200SR-LF-IV	-	B4
TR-B200SR-LF-WH	-	B4
TR-B200SR-WH	-	B4
TR-B300-6	-	B4
TR-B300-6-BP	-	B4
TR-B300-6-IV	-	B4

TR-B500BI (g)	TR-FIRE-CO-W (c)(d)(e)(f), TR-FIRE-CO-IV (c)(d)(e)(f), TR-PTIR-W (c)(f), TR-PTIR-IV (c)(f), TR-PHOTO-T-W (b), TR-PHOTO-T-IV (b), TR-PHOTO-W (a), TR-PHOTO-IV (a), TR-PHOTO-R-W (a), TR-PHOTO-R-IV (a)	B4
TR-B501-BL	-	B4
TR-B501-IV	-	B4
TR-B501-WHITE	-	B4
TR-B501-WHITE-BP	-	B4
TRW-B210W	TRW-ACCLIMATE	B2
TRW-B501W	TRW-ACCLIMATE	B2

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.

B3 - For connection to a Listed open area protection smoke or heat detector head with which compatibility was determined by test or a review of circuit parameters. Refer to the manufacturer's installation instructions for a list of compatible models.

B4 - For connection to any manufacturer's Listed compatible control unit.

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.

OAP - Open Area Protection

P - Photoelectric

PB - Projected Beam

D(I) - Duct Detector - Installation Inside Duct

RF - Includes Integral Radio Frequency Transmitter

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.

(a) - Suitable for use in ambient temperatures of 0-50 C (32-122 F).

(b) - Suitable for use in ambient temperatures of 0-47 C (32-115 F).

(c) - Complimentary listed to UL 521 (UQGS).

(d) - Complimentary listed to UL 2075 (FTAM) as a Carbon Monoxide (CO) detector.

(e) - Suitable for Open Area Protection with air velocities up to 4,000 fpm.

(f) - Suitable for use in Special Application installations with certain system alarm sensitivity settings.

(g) - may be followed by the following suffix, indicating the color of the detector's enclosure: -W for white or blank for ivory.

CO - Suitable for use as a carbon monoxide alarm

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