

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 | Firmware 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 | Firmware 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 | Firmware 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 |

Feedback

| | | |
|-------------------------|---|----|
| 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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