

**Features****Individually addressed high intensity visible notification appliance (strobe) provides:**

- Supervision of each individual appliance's wiring and connections
- Ability to connect using "T" tapping for Class B/Style 4 circuits to simplify wiring (Class A/Style 6 circuits require in/out wiring)
- Models available with 15, 75, or 110 candela with strobe rating clearly marked on reflector
- Compatibility with ADA requirements (refer to important installation information on page 4)
- In/out wiring accessibility from front of housing providing easy access for installation, inspection and testing
- Regulated circuit design ensuring consistent output
- Magnetic test diagnostics to assist checkout and testing of appliances and wiring
- Rugged, high impact, flame retardant thermoplastic housing available in red or white (covers are available separately to convert color)

UL listed to Standard 1971**LED indicator and magnetic test feature:**

- LED indicator can be selected to display each polling cycle to indicate appliance supervision
- When the TrueAlert Addressable controller is in diagnostic mode, the magnetic test pulses the LED to indicate appliance address and is selectable to also briefly flash the strobe to confirm operation

TrueAlert two-wire addressable control of visible (and audible notification) provides:

- Visible appliances connected to the same circuit operated at a synchronized 1 Hz flash rate
- Horns sounded as Temporal or March Time pattern, or on continuously, controlled separately from visible appliances on the same two-wire circuit

TrueAlert Addressable notification appliance design provides flexible, easy, and convenient flush or surface wall box mounting:

- Rear of housing does not extend into box and easily mounts to single gang, double gang, or 4-inch square outlet box
- In/out wiring terminals, 18 AWG to 12 AWG
- Optional mounting adapters are available to cover surface mounted electrical boxes and to adapt to Simplex 2975-9145 boxes



TrueAlert Addressable Strobes are Available in Red with White Lettering and White with Red Lettering

Description

TrueAlert Addressable strobes are individually addressed visible notification appliances that receive power, supervision, and control signals from a TrueAlert Addressable Signaling Line Circuit (SLC) channel. When activated, TrueAlert Addressable strobes flash at a synchronized rate.

TrueAlert addressable operation allows strobes to be wired onto the same two-wire SLC circuit as horns but with separately controlled operation. Typical applications are audible notification appliances activated as "on-until-silenced" and visible notification appliances activated as "on-until-reset." (TrueAlert Addressable operation is patent pending.)

TrueAlert Addressable Advantage

Background. Fire alarm control panels typically activate both audible and visible notification upon receipt of an alarm. At the direction of an authorized operator (or by pre-determined program), audible notification appliances may be silenced before the alarm condition is reset (on-until-silenced) while the visible notification appliances are kept activated until the alarm condition is reset (on-until-reset). This operation has traditionally required two different circuits (four-wire operation).

* These products have been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7125-0026:235 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. Accepted for use – City of New York Department of Buildings – MEA35-93E. This product was not ULC listed or approved by FM as of document revision date. Additional listings may be applicable, contact Simplex for the latest status.

TrueAlert Addressable Advantage (Continued)

TrueAlert addressable operation provides separate audible and visible appliance control functions using a single two-wire circuit that also *confirms connection to the individual notification appliance's electronic circuit*. This operation increases circuit supervision integrity by providing supervision that extends beyond the appliance wiring connections.

Opportunities for Reducing Installation and Testing Time. Allowing separate controls to be carried on the same two-wire SLC can significantly reduce installation time and expense for both retrofit and new construction. When Class B (Style 4) wiring is used, *wiring can be "T" tapped*, allowing even more savings in distance, wire, junction boxes, and overall installation efficiency. The magnetic test feature (described below) also can provide improved installation efficiency.

TrueAlert Addressable Controller

TrueAlert addressable notification appliances are controlled by the 4009-9401 TrueAlert Addressable Controller, an intelligent interface panel connected between the host fire alarm control panel and the TrueAlert addressable notification appliances. (Refer to data sheet S4009-0003 for further information about the TrueAlert Addressable Controller.)

Product Selection

TrueAlert Addressable Strobes

| Model Number | Strobe Output Rating | | | Housing Color |
|--------------|----------------------|-------|--------|---------------------------------|
| | 15 cd | 75 cd | 110 cd | |
| 4904-9350 | ✓ | | | Red with white "FIRE" lettering |
| 4904-9351 | | ✓ | | |
| 4904-9352 | | | ✓ | |
| 4904-9353 | ✓ | | | White with red "FIRE" lettering |
| 4904-9354 | | ✓ | | |
| 4904-9355 | | | ✓ | |

Mounting Adapters

| Model | Description | | Dimensions |
|-----------|---|--|---|
| 4905-9937 | Surface mount red adapter skirt | Use to cover 1 1/2" deep surface mounted boxes | 5 3/8" H x 5 1/4" W x 1 5/8" D (136 mm x 133 mm x 41 mm) Total depth with strobe = 3 1/8" (79 mm) |
| 4905-9940 | Surface mount white adapter skirt | | |
| 4905-9931 | Adapter plate, red, for mounting to Simplex 2975-9145 Box (typically for retrofit, may be mounted vertical or horizontal) | | 8 5/16" x 5 3/4" x 0.060" Thick (211 mm x 146 mm x 1.5 mm) |
| 2975-9145 | Red mounting box, requires 4905-9931 adapter plate | | 7 7/8" x 5 1/8" x 2 3/4" D (200 mm x 130 mm x 70 mm) |

Optional Covers and Guard

| Model | Description | | Dimensions |
|-----------|---|-------------------------------------|---|
| 4905-9992 | Red strobe cover with white "FIRE" lettering | For replacement or color conversion | 5 1/8" H x 5" W x 1 1/2" D (130 mm x 127 mm x 38 mm) |
| 4905-9993 | White strobe cover with red "FIRE" lettering | | |
| 4905-9961 | Wire guard with mounting plate, red, compatible with surface or semi-flush mounted boxes* | | 6 1/16" H x 6 1/16" W x 3 1/8" D (154 mm x 154 mm x 79 mm) |

* UL listing in process as of document revision date (by Space Age Electronics Inc.).

TrueAlert Addressable Diagnostics

Test Features. The TrueAlert Addressable Controller can be selected to pulse each appliance's LED when that appliance receives a supervision poll. When the TrueAlert Addressable Controller is selected for diagnostic mode, the TrueAlert appliance magnetic test feature provides a response at the individual appliance being tested.

Silent Appliance Testing. In this test mode, in response to the magnetic test, the appliance LED pulses sequentially to conveniently indicate the appliance's address.

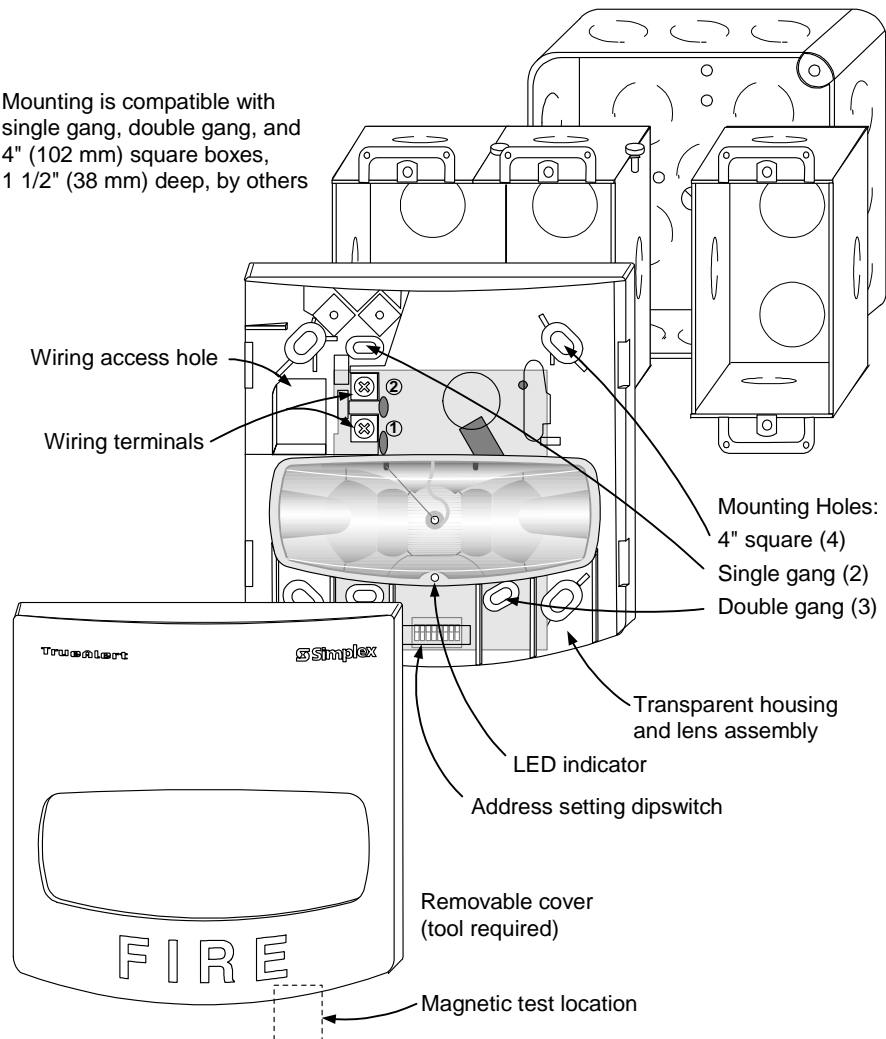
Operational Appliance Testing. The LED diagnostic test mode can be selected at the TrueAlert Addressable Controller such that after the address is indicated, the strobe will briefly flash to indicate proper operation.

TrueAlert Addressable Wiring Isolator

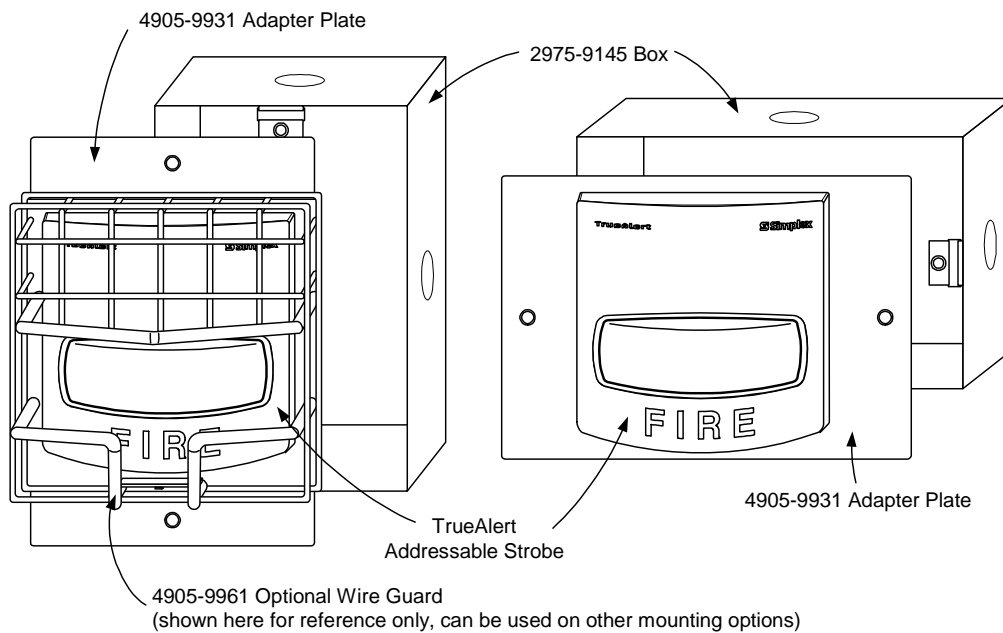
The 4905-9929 Isolator Module is available for use on TrueAlert Addressable circuits to isolate short circuited wiring from functioning wiring. (Refer to data sheet S4905-0001 for further information about the TrueAlert Addressable Isolator Module.)

Installation Reference

Mounting is compatible with single gang, double gang, and 4" (102 mm) square boxes, 1 1/2" (38 mm) deep, by others



Adapter Plate and Wire Guard Installation Reference



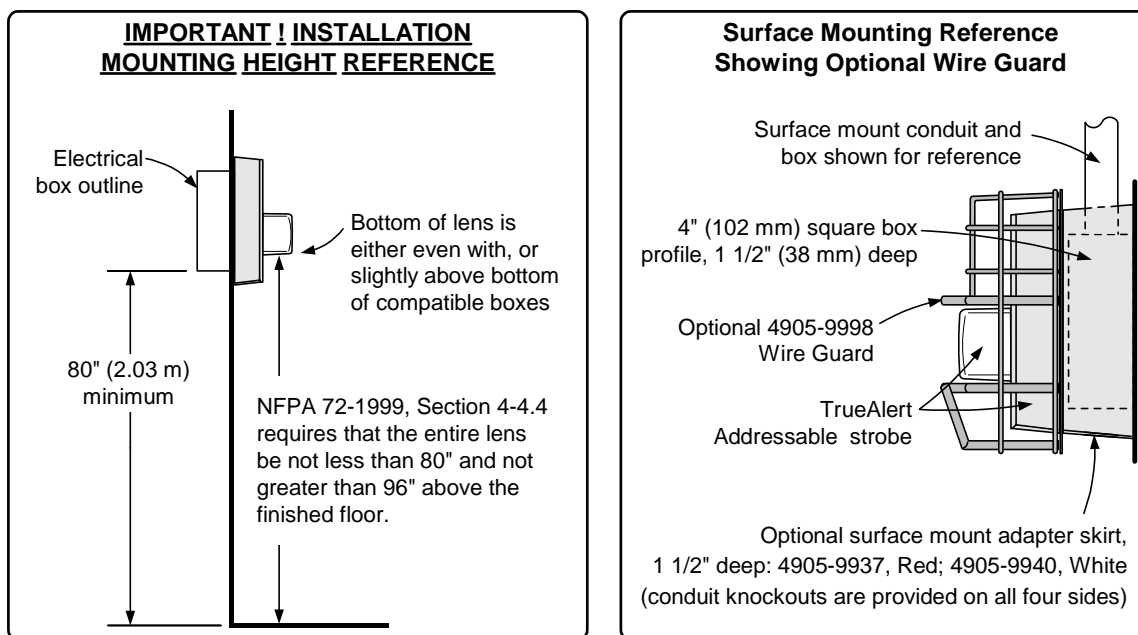
Specifications

| | | | | | | |
|---|---|----------------|----------------|----------------|----------------|----------------|
| Rated Voltage Range | 17 VRMS to 31 VRMS, see Notes 1 and 2 below | | | | | |
| Supervisory Requirements | 1 unit load | | | | | |
| Flash Rate | 1 Hz | | | | | |
| Synchronized SLC Loading | Up to 43 TrueAlert addressable synchronized strobes maximum per SLC | | | | | |
| Current Rating, Nominal Average (see Note 3 below) | | 17 VRMS | 18 VRMS | 19 VRMS | 20 VRMS | 24 VRMS |
| | 15 cd | 72 mA | 68 mA | 64 mA | 59 mA | 53 mA |
| | 75 cd | 194 mA | 183 mA | 171 mA | 160 mA | 127 mA |
| | 110 cd | 242 mA | 229 mA | 216 mA | 203 mA | 159 mA |
| Housing Dimensions (including lens) | 5 1/8" H x 5" W x 2 5/8" D (130 mm x 127 mm x 67 mm) | | | | | |
| Temperature Range | 32° to 122° F (0° to 50° C) | | | | | |
| Humidity Range | 10% to 93%, non-condensing at 100° F (38° C) | | | | | |
| Connections | Terminals for 18 to 12 AWG | | | | | |

NOTES:

1. TrueAlert Addressable appliances are required to be connected to a TrueAlert Addressable Channel where both power and communications are supplied. Refer to TrueAlert Addressable Controller data sheet S4009-0003 for additional information about wiring rules and distance limitations.
2. The rated voltage range listed is the absolute operating range. Operation outside of this range may cause permanent damage to the appliance. Please note that 17 VRMS is the lowest operating voltage that is allowed at the last appliance on the TrueAlert signaling line circuit under worst case conditions.
3. Voltage drops and standby battery calculations should be made using anticipated operating conditions. Operation above 24 VRMS draws less current.

Installation Reference, Mounting Height and Surface Mounting



Simplex, the Simplex logo, and TrueAlert are either trademarks or registered trademarks of Simplex Time Recorder Co. in the U.S. and/or other countries.



S4904-0006-1 11/00

Westminster, Massachusetts 01441-0001 USA

visit us on the world wide web at www.simplexnet.com

All specifications and other information shown were current as of printing and are subject to change without notice.