

Features

Converts a single TrueAlert addressable notification address into separate 24 VDC audible and visible notification outputs:

- Power and communications are supplied by Autocall 4100ES, 4010ES, and 4007ES fire alarm control panels equipped with power supplies that provide advanced addressable notification from **IDNAC** Signaling Line Circuits (SLCs), and from 4009 IDNAC Repeaters**
- Operation is also compatible with TrueAlert SLCs from TrueAlert Power Supplies (TPS) or TrueAlert Addressable Controllers (4009T)
- Up to two TrueAlert Addressable Adapter Modules can be connected to one IDNAC SLC

Appliance control output features:

- Operation modes are: visible and audible appliances both on; or visible appliance only – with activation determined by the control panel IDNAC SLC
- On-board circuit limits appliance inrush current and provides self-resetting overcurrent protection
- Wiring to audible and visible appliances is supervised with conventional reverse polarity operation; opens or shorts are reported to the control panel

Appliance output ratings:

- Regulated 24 DC appliance power; audible output is rated for up to 30 mA, visible output is rated for up to 180 mA
- Special Applications appliance ratings; audible output is rated for up to 50 mA, visible output is rated for up to 250 mA

Status diagnostics:

- A visible status LED can be programmed at the connected control panel to indicate polling status and can be activated per address for module testing

General mechanical features:

- Mounts in standard 4 ¹¹/₁₆" (119 mm) square electrical box
- Cover plates (required) are available for surface or flush mount, ordered separately
- Cover plates provide status LED viewing
- Screw terminals for wiring connections

UL listed to Standard 864

Introduction

Special Notification Requirements. IDNAC SLCs activate addressable TrueAlert horns and/or strobes in response to commands received from the IDNAC SLC. For applications where appliances other than the standard TrueAlert addressable appliances are required, the TrueAlert Addressable Adapter Module provides a separate audible and visible output individually activated by the IDNAC SLC.

Typical applications are for connection to special weather-proof appliances, appliances with particular sound output characteristics (special bells or chimes), or for connection to appliances that are required to satisfy specific aesthetic requirements.

Maintains TrueAlert Addressable System Advantages. With the TrueAlert Addressable Adapter Module, non-TrueAlert appliances can be controlled while still benefiting from the TrueAlert addressable system's active supervision to the Adapter Module, multiple diagnostic modes, and supporting of "T-tapped" Class B wiring of the IDNAC SLC connections.

For additional information refer to Installation Instructions 579-390AC.

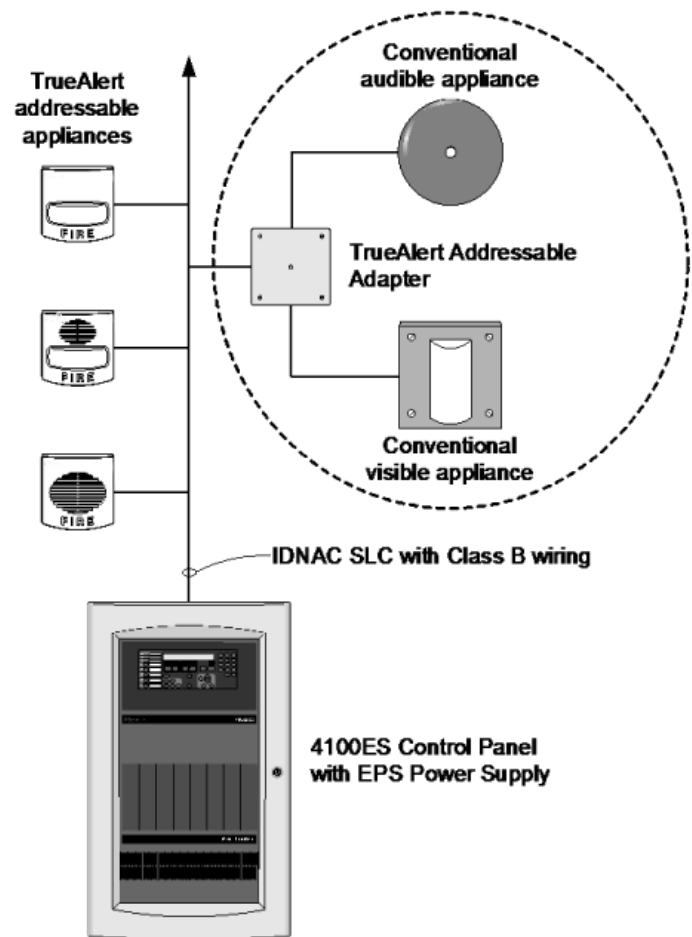


Fig 1: TrueAlert Addressable Adapter Module, Typical One-Line Wiring Reference

Appliance Wiring Details

Compatibility with circuit protectors. When connected to remote appliances (up to 200 ft from the adapter) that exit the building and may be exposed to harsh electrical environments, the notification appliance wiring is compatible with Autocall circuit protectors. Compatible protectors are listed in [Specifications](#) on page 3 and should be connected both where the wiring leaves the building and where it connects to the appliances.

Provisions for shielded wire. For applications where notification appliance wiring may be exposed to electrical noise, twisted, shielded wiring is recommended. The adapter wiring terminal block has provisions for connecting the shield(s).

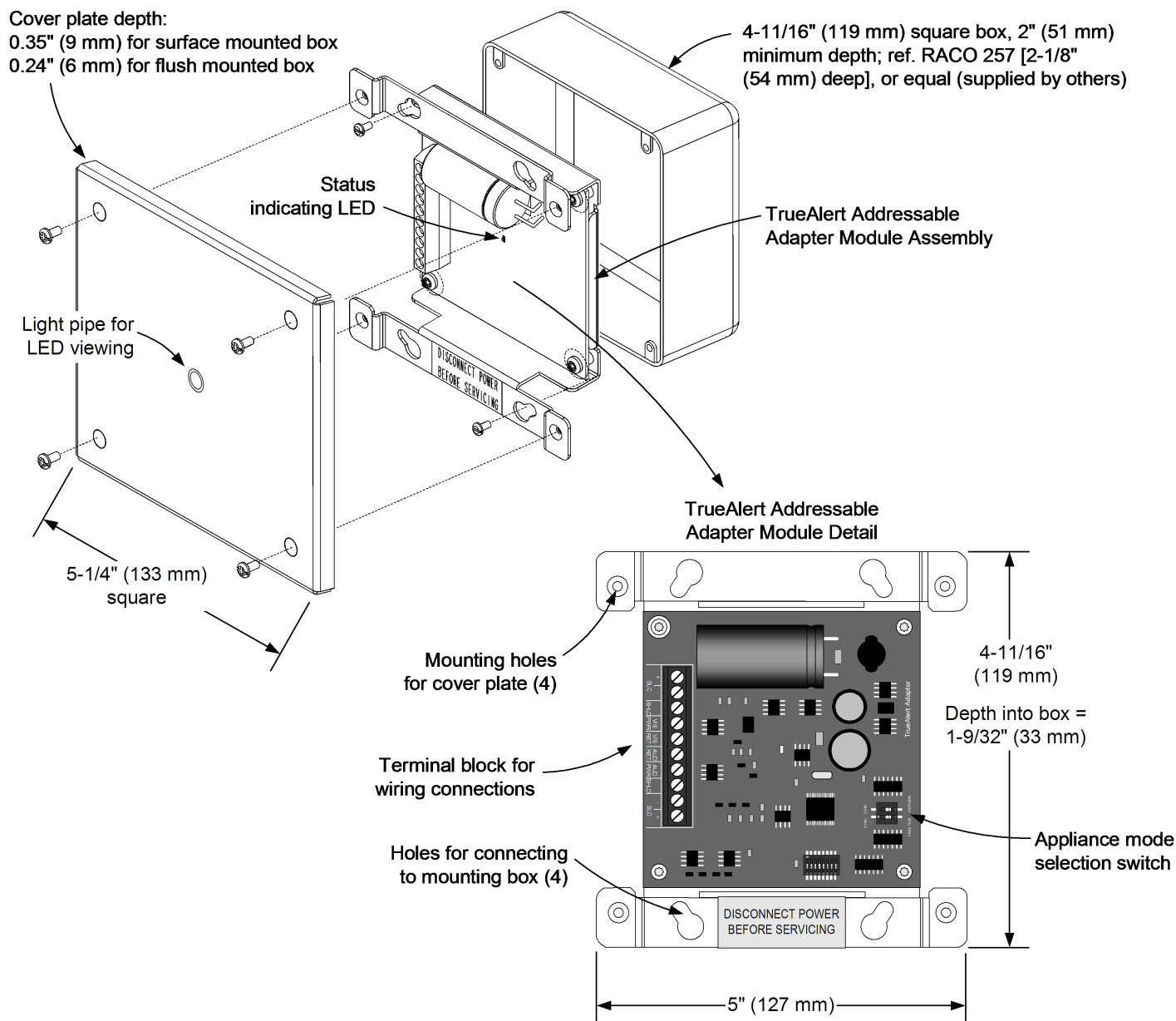
* Additional listings may be applicable; contact your local product supplier for the latest status. ** Use of "TrueAlert" in this document refers to both TrueAlert and TrueAlert ES notification appliances. Use of IDNAC SLCs also refers to operation of TrueAlert SLCs.

TrueAlert Addressable Adapter Product Selection

Table 1: Product Selection

SKU	Description	
A4905-9816	TrueAlert Addressable Adapter Module; requires surface or flush mount cover plate	
A4081-9008	End-of-Line Resistor Harness (ref. 733-894AC); 10 kΩ, ½ W; two required, one each for audible and visible output	
A4905-9817	Surface Mount Cover Plate	Required, select one for each A4905-9816 per application; painted beige
A4905-9818	Flush Mount Cover Plate	

TrueAlert Addressable Adapter Installation Reference



Specifications

Table 2: Electrical and Operation Reference

Specification	Rating	
Input Voltage		
IDNAC SLCs	23-31VDC	Communications and power are supplied from the SLC
Legacy TrueAlert SLCs	17-31 VDC	
Input Current		
Supervisory	1 unit load (1 unit load = 0.8 mA control panel current)	
Alarm	450 mA maximum, adapter and appliances	
TrueAlert Requirements	1 Address per Adapter Module; limited to two Adapter Modules per SLC	
Output Voltage	17.8 TO 32 VDC; appliance inrush currnet is internally limited to 550mA	
Output NAC Current Ratings	Regulated 24 DC Appliance Power Ratings	Audible Output= 30 mA Visible Output = 180mA
	Special Application Appliance Ratings	Audible Output = 50mA Visible Output= 250mA
Visible Output Mode Control	Select free-run for Autocall strobe synch pulses synchronised to the SLC	
Audible Output Mode Control	Select for continuous on or to follow same pattern as the SLC; select continuous if appliance has its own pattern selection or if it has high repetitive inrush current	
Compatibility with Special Application Autocall	Audible Output	Compatible with Autocall horns and with the horn of 4-wire horn/strobes (A/V) and 4-wire speakers/strobes (S/V); select output as sync mode (Note: Speaker circuits require serparate wiring)
	Visible Output	Compatible with Autocall strobes and with the strobes of 4-wire horn/strobes (A/V) and 4-wire speakers/strobes (S/V); select output as sync mode (Note: Speaker circuits require separate wiring)

Table 3: IDNAC SLC Channel Loading Reference

Specification	Rating
TrueAlert Addressable Adapter Modules per SLC	Two maximum
SLC addresses	127 maximum
SLC unit loading	139 maximum
Synchronized SLC Strobe Loading	Up to 63 addressable synchronized strobes maximum per IDNAC SLC
Up to 46 addressable synchronized strobes maximum per TrueAlert SLC, refer to individual appliance and control panel information for additional information	
SLC Current Rating Reference	EPS+/ EPS Power Supply and 4009 IDNAC Repeater = 3 A maximum
	TrueAlert Power Supply = 3 A maximum
	TrueAlert Addressable Controller = 2.5 A maximum

Table 4: Wiring Reference

Specification	Rating
Appliance Distance from TrueAlert Addressable Adapter	200 ft maximum (61 m)
Supervision Resistor	10 kΩ, ½ W; two required, one located at each remote appliance; use A4081-9008 End-of-Line Resistor Harness (ref. 733-894), ordered separately
Wiring Connections	Screw terminals for 18 to 12 AWG (0.82 mm ² to 3.31 mm ²)
Compatible Circuit Protection (required when wiring leaves the building for outdoor appliances, mount one at each end of wiring)	A2081-9044, Overvoltage Protector, 200 mA maximum A2081-9028, Isolated Loop Circuit Protector, 5 A maximum A2081-9027, Isolated Loop Circuit Protector, 200 mA maximum

Table 4: Wiring Reference

Specification	Rating
Installation Instructions	579-390AC

Table 5: Mechanical and Environmental

Specification	Rating
Dimensions (adapter mounted in bracket, see Figure reference drawing)	4 11/16" ½ H x 5" W x 1 9/32" D (119 mm x 127 mm x 33 mm)
Mounting Plate Material	Sheet metal, galvanized
Temperature Range	32° to 120° F (0° to 49° C), adapter is intended to be mounted indoors
Humidity Range	10% to 90% RH non-condensing at 90° F (32° C)

Table 6: Panel Data Sheet Reference

Specification	Rating
4100ES with EPS	AC4100-0100
4010ES with ESS	AC4010-0011
4007ES with IDNAC SLCs	AC4007-0002
4009 IDNAC Repeater	AC4009-0004