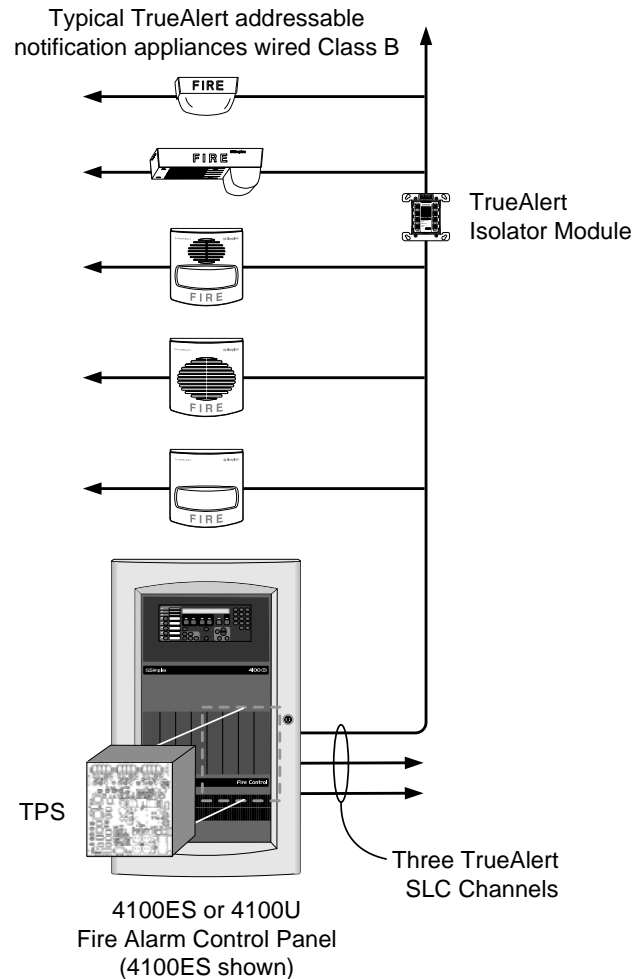## Features

For installed system mounting in Simplex® 4100ES or 4100U fire alarm control panels:

- Provides three, 3 A, Class B SLCs (Special Application rating)

- Compatible with TrueAlert and TrueAlert ES addressable notification appliances, TrueAlert Isolator Modules, and TrueAlert Adapter Modules

- Note: Limitations apply when controlling TrueAlert ES appliances (refer to details on page 2)

- Class A operation is available using option module 4100-5124

- Four block module size, mounts in expansion bay blocks on right side

- For new fire alarm panel applications with addressable notification, refer to data sheet S4100-0100

- For additional TrueAlert addressable notification reference refer to data sheet S4009-0003

True*Alert* Addressable Notification

TrueAlert Power Supplies provides three, 3 A Class B Signaling Line Circuits (SLCs) for controlling and powering addressable notification appliances. With addressable appliances, Class B wiring can be "T-tapped" for easier wiring and reduced wire run lengths. Appliances include horns, strobes, and combination units.

* Listed by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7165-0026:251 for allowable values and/or conditions concerning material presented in this document. Accepted for use – City of New York Department of Buildings – MEA35-93E. Additional listings may be applicable, contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

Typical TrueAlert addressable
notification appliances wired Class B

TrueAlert
Isolator Module

TPS

Three TrueAlert
SLC Channels

4100ES or 4100U
Fire Alarm Control Panel
(4100ES shown)

TrueAlert Power Supply Reference Drawing

Product Selection

TrueAlert Power Supplies and Accessories (Canadian model has low battery cutout)

Model	Voltage/Listing		Description	Size	Supv.	Alarm
4100-5120	120 VAC	UL	**TrueAlert Power Supply (TPS)**; 3 Class B SLCs rated 3 A each for up to 63 TrueAlert addressable (special application) appliances per channel, 189 per TPS; built-in battery charger; 2 A aux. power output;	4 Blocks	88 mA	100 mA
4100-5121	120 VAC, Canadian	ULC				
4100-5122	220-240 VAC	UL	Note: Add device current separately			
4100-5124	TrueAlert SLC Class A Adapter for all 3 SLCs, mounts on TPS			N.A.	10 mA	10 mA

Specifications

Input Power	120 VAC Models	4 A maximum @ 102 to 132 VAC, 60 Hz
	220-240 VAC Models	2 A maximum @ 204 to 264 VAC, 50/60 Hz; separate taps for 220/230/240 VAC
Compatible Special Application Appliances		Simplex TrueAlert and TrueAlert ES addressable notification appliances (with limitations); contact your Simplex product representative for compatible appliances

	Category	Details	TrueAlert ES Appliance Control Limitation
Appliance Control Characteristics	Available Strobe Intensity	15, 30, 75, and 110 cd	Not compatible with TrueAlert ES intensities of 135 and 185 cd
	Available Horn Control	Continuous, Temporal Code 3, and March Time of 60 or 120 bpm	Not compatible with TrueAlert ES horn tones of Temporal Code 4 or 20 bpm
	Appliance Voltage Minimum	17 VRMS	Not compatible with TrueAlert ES 23 VRMS appliance voltage minimum

Mounting Requirements		Four block size, requires expansion bay mounting blocks E, F, G, & H
Battery Charger Ratings (sealed lead-acid batteries)	Battery capacity range	UL listed for battery charging of 6.2 Ah up to 110 Ah (110 Ah batteries require a remote battery cabinet); ULC listed for charging up to 50 Ah batteries
	Charger characteristics and performance	Temperature compensated, dual rate, recharges depleted batteries within 48 hours per UL Standard 864; to 70% capacity in 12 hours per ULC Standard S527
Environmental	Operating Temperature	32° to 120°F (0° to 49° C)
	Operating Humidity	Up to 93% RH, non-condensing @ 90° F (32° C) maximum
Installation Instructions	579-336	

Addressable Appliance Reference

TrueAlert Appliances

Appliance Type	Data Sheet
TrueAlert Ceiling Mount Visible Only Appliances	S4906-0004
TrueAlert Ceiling Mount Audile/Visible Appliances	S4906-0005
TrueAlert Speaker/Visible Appliances	S4906-0006
TrueAlert Dual Emergency Appliance, Clear/Amber	S4906-0009

TrueAlert ES Appliances

Appliance Type	Data Sheet
TrueAlert ES Audible Only Appliances	S49AO-0001
TrueAlert ES Visible Only Appliances	S49VO-0001
TrueAlert Addressable Adapter Module	S4905-0004
TrueAlert Appliance/IDNAC SLC Isolator	S4905-0001
TrueAlert ES Audible/Visible Appliances	S49AV-0001
TrueAlert ES Weatherproof Appliances, UL Listed	S49WP-0001
TrueAlert ES Weatherproof Appliances, ULC Listed	S49WP-0002
TrueAlert ES Emergency Communications Appliances with Color Lenses	S49LENS-0001