⚡®Simplex

UL, ULC Listed; FM
and CSFM Approved*

LED/Switch Annunciator
Model 4610-9111 and Accessories

Features

**Remote LED/Switch annunciator for the Simplex®
4006 and 4008 fire alarm control panels with:**

- 16 LEDs with functions programmable at the host panel
  to indicate specific system conditions and locations
  (Alarm, Supervisory, Trouble, etc.)
- Dedicated LEDs that indicate Alarm Silence, Trouble,
  Communication Loss, and Power-on
- Local tone-alert audible indicator

Keyswitch access control switches provide:

- Event Acknowledge, Alarm Silence, System Reset, and
  local Lamp Test

Programmable LED options:

- 10 Red LEDs to indicate Alarm conditions by
  programmable area
- 6 Yellow LEDs to indicate Trouble conditions
- Custom label inserts describe LED functions

Wiring requirements:

- Twisted pair for communications
- 24 VDC system power via separate wiring
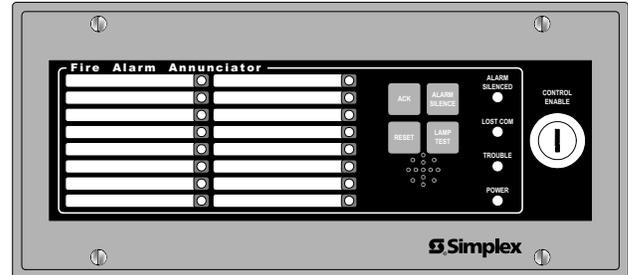
Mounting options:

- Red surface mount box model 2975-9228 (ordered
  separately)
- Flush mount uses standard 5-gang electrical boxes

UL Listed to Standard 864, 9th Edition

Description

Remote LED Annunciation. Simplex 4610-9111
LED/Switch Annunciators provide remote fire alarm
system status and control with 16 programmable LEDs to
provide location specific information. Keyswitch
controlled access allows pushbutton switches to activate
Acknowledge, Alarm Silence, system Reset, or local
Lamp (LED) Test. Label inserts allow custom LED
specifics to be identified.

4610-9111 LED/Switch Annunciator

Description *(Continued)*

Dedicated LEDs and Remote Switch Control.
LEDs indicate Alarm Silenced, Communications Loss
with panel, Trouble, and local Power-on, along with a
local tone-alert audible indication. Activating the
Acknowledge push-button switch silences the system
tone-alerts, but leaves the LEDs on until all conditions in
that category are restored to normal. LED operation
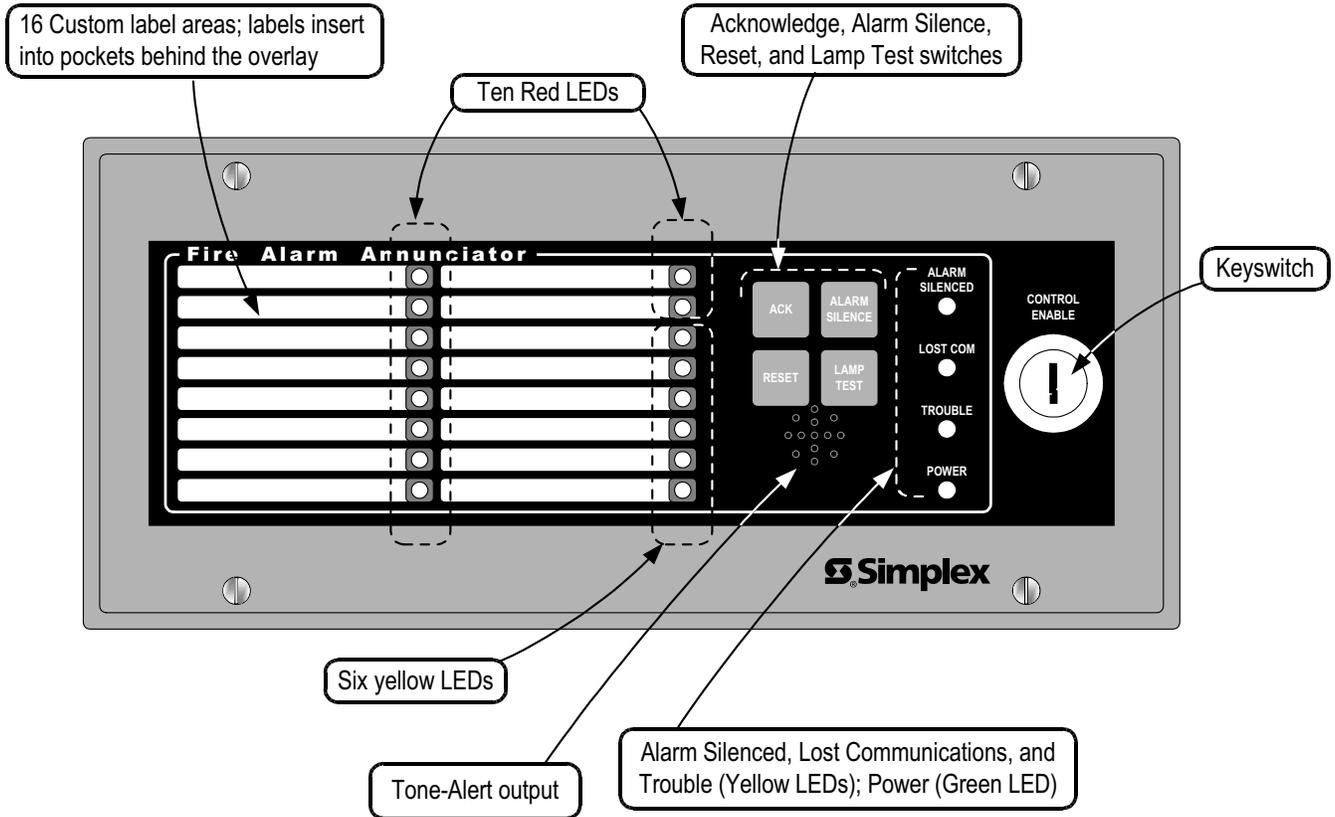(continuous or pulsing) is programmed at the control
panel.

Multiple System Annunciators. Annunciator
communications for these panels can include up to four
devices, including the LED/Switch Annunciator; an LCD
Remote Annunciator, and the optional host panel
door-mounted LED Annunciator.

Additional Information. Refer to LED/Switch
Annunciator Installation Instructions 579-710 and to the
host panel instructions.

Product Selection

Model	Description
4610-9111	LED/Switch Annunciator, red trim
2975-9228	Matching surface mount box; red; 10" W x 4-1/2" H x 2-1/2" D (254 mm x 114 mm x 64 mm)
4081-9011	Line matching resistor; 100 Ω, 1/2 W; (part number 733-974); see specifications on page 3 for location and quantity
2081-9044	Overvoltage protector; required where annunciator communications and power wiring exits and enters a building; refer to data sheet S2081-0016 for details

16 Custom label areas; labels insert into pockets behind the overlay

Ten Red LEDs

Acknowledge, Alarm Silence, Reset, and Lamp Test switches

Fire Alarm Annunciator

ACK

ALARM SILENCE

RESET

LAMP TEST

ALARM SILENCED

LOST COM

TROUBLE

POWER

CONTROL ENABLE

Keyswitch

Simplex

Six yellow LEDs

Tone-Alert output

Alarm Silenced, Lost Communications, and Trouble (Yellow LEDs); Power (Green LED)

S4610-0001-1 12/2004

Specifications

General Specifications

Voltage	18 to 33 VDC, system supplied
Standby Current	40 mA
Alarm Current	70 mA maximum (all LEDs and tone-alert on)
Operating Temperature Range	32° to 120° F (0° to 49° C)
Operating Humidity Range	Up to 93% RH, non-condensing at 100° F (38° C)

Annunciator Communications

Quantity Supported		Up to four annunciator modules per panel	
Wiring Type		Twisted pair, or twisted, shielded pair; 18 AWG (0.82 mm^2)	
Distance	Bus-style wiring	Up to 4000 ft (1219 m); 0.58 µF (580 nF) maximum capacitance; 35 Ω maximum resistance	
	"T-Tap" wiring	Up to 10,000 ft (3048 m) total wiring; up to 2500 ft (762 m) to farthest device	
Line Matching Resistor	Bus-style wiring	Connect one at panel and one at end of line	100 Ω, 1/2 W; PID 4081-9011; (part number 733-974)
	"T-Tap" wiring	Connect one at panel and one at farthest device	
Suppression for wiring external to building		Use 2081-9044 Overvoltage Protectors where wiring leaves and enters a building (refer to data sheet S2081-0016)	
Power Wiring		24 VDC system power and Earth ground for electrical box (ground per local code)	
Wiring Connections		Provisions for in/out wiring; 18 to 12 AWG (0.82 mm^2 to 3.31 mm^2)	

Mounting Information (see diagram on page 4)

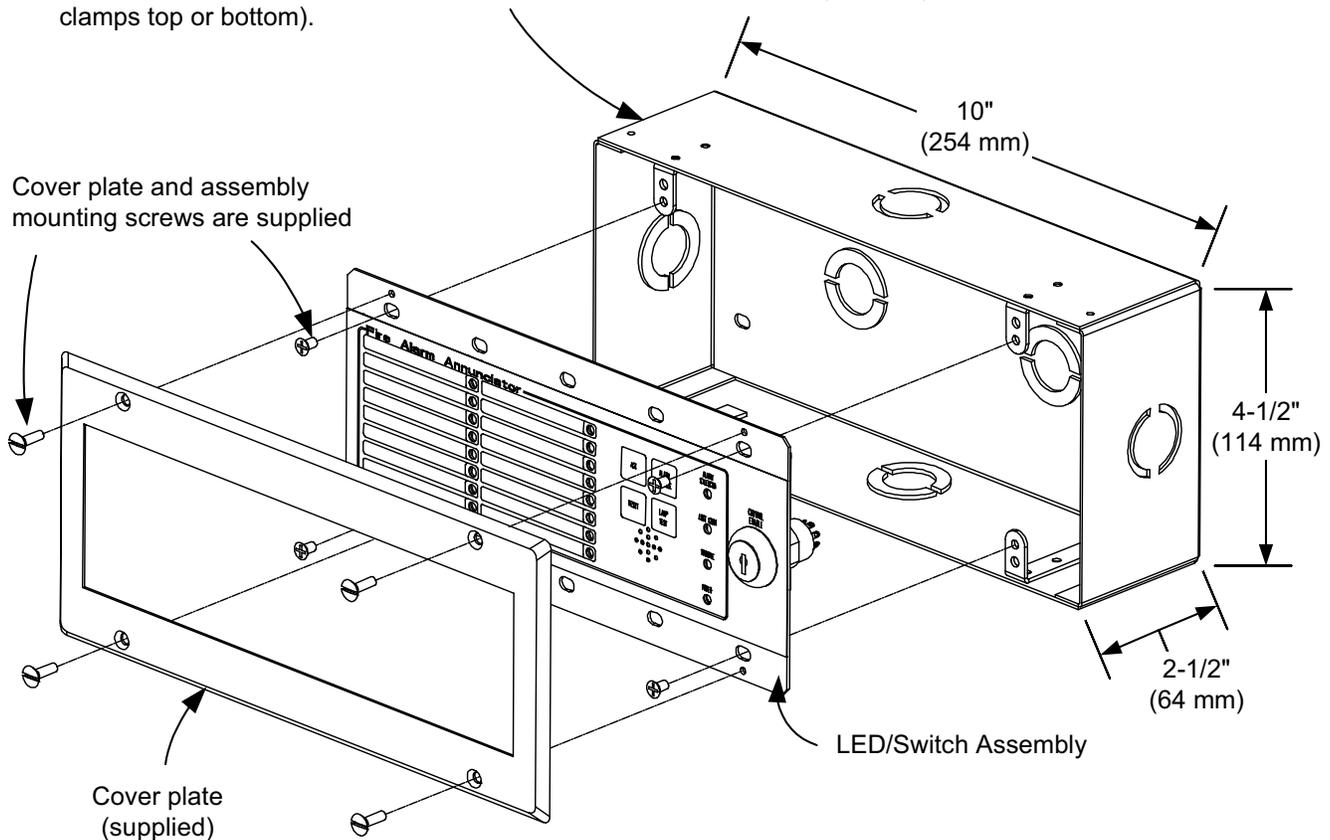|	
Trim Dimensions	10" W x 4-1/2" H (254 mm x 114 mm)
Trim Material	Painted steel, red
Boxes for Flush Mounting (supplied by others)	Standard 5-gang boxes with conduit entrance restrictions, refer to installation information on page 4

2975-9228 Matching Surface Mount Box (ordered separately)

Dimensions	10" W x 4-1/2" H x 2-1/2" D (254 mm x 114 mm x 64 mm)
Material	Painted steel, red

Compatible Mounting Boxes:

1. Matching surface mount box (shown), ordered separately.

2. For **flush-mount**, use **5** gang boxes per below. **NOTE:** To avoid interference with the annunciator, use only conduit knockouts that are 2-1/2" (64 mm) from front of box or as noted below.

3. For masonry box, use RACO 699 (or equal), 3-1/2" (89 mm) deep.

4. For plasterboard walls, use RACO 590, 3-1/2" deep; or RACO 600 (or equal); use side knockouts or cable clamps top or bottom).

Cover plate and assembly mounting screws are supplied

10"
(254 mm)

4-1/2"
(114 mm)

2-1/2"
(64 mm)

Fire Alarm Annunciator

LED/Switch Assembly

Cover plate
(supplied)