

**Features**

Remote LCD annunciator for use with the Simplex 4010 fire alarm control panel

LCD readout provides:

- Two lines of 40 characters each
- Wide viewing angle, super-twist design
- LED backlighting

Control switches and status LEDs for:

- Alarm, supervisory, or trouble acknowledge
- Alarm silence
- System reset

Three programmable LED indicators:

- Two LEDs are selectable as red or yellow
- One LED is selectable as green or yellow
- With provisions for custom labeling

Information is transmitted over one twisted, shielded pair (Simplex N2 communications)

Tone-alert sounder provides local audible indication

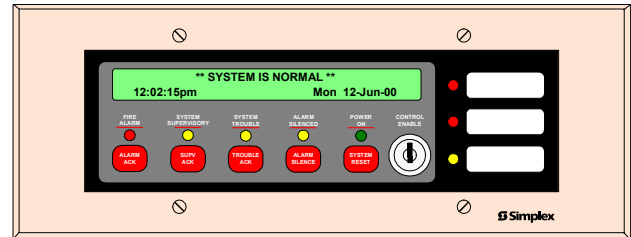
Lamp and LCD are functionally tested each time keyswitch is switched on

Mounts flush on standard 6-gang electrical box

Mounting and trim options:

- Surface mount box model 2975-9217 (ordered separately)
- Brushed aluminum trim model 4603-9111 (ordered separately)

\* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7120-0026:225 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. Additional listings may be applicable, contact Simplex for the latest status.



4606-9101 LCD Annunciator

**Description**

The Simplex 4606-9101 LCD Annunciator provides remote annunciation using an 80 character, back-lit, alphanumeric, LCD readout. Information is presented in clear, descriptive English language and includes: point status (alarm, trouble, etc.), alarm type (smoke detector, manual station, etc.), number of system alarms, supervisory conditions, troubles, and custom location labels up to 40 characters long. Communications require a single twisted, shielded pair and can also support the 4605 Series 24 I/O module on the same wire pair (up to six devices total).

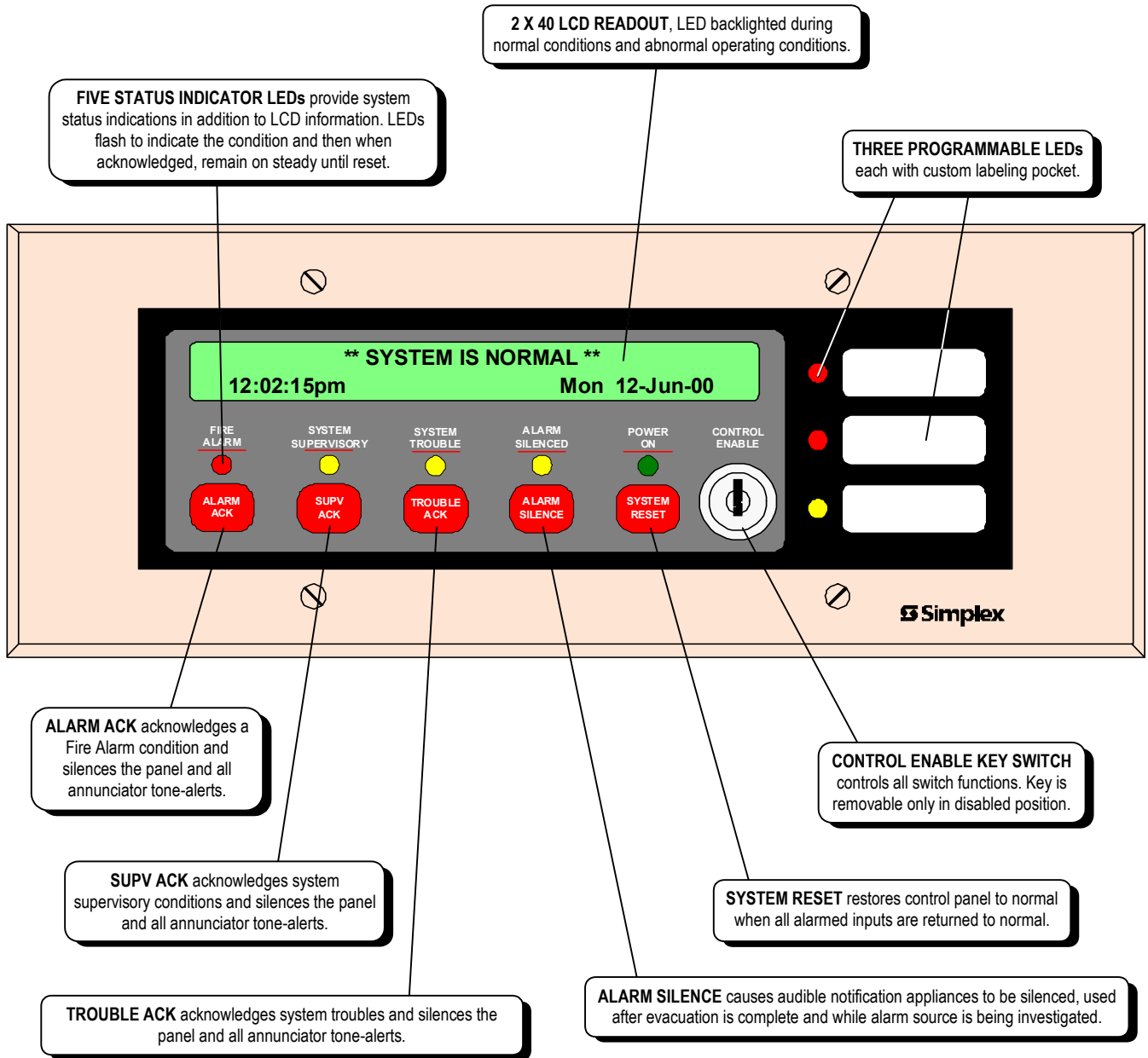
Alarm, Supervisory, and Trouble conditions are also indicated by dedicated LEDs and a tone-alert audible indication. Each condition has a dedicated acknowledge push-button switch that silences the tone-alert but leaves the LED on until all conditions in that category are restored to normal.

Repeated operation of the appropriate acknowledge switch will scroll the LCD display showing activity in the sequence of occurrence. The internal tone-alert also sounds to indicate the operation of any of the push-button switches.

**Operation**

All switches on the annunciator are controlled by the "ENABLE" key switch with a key that is removable only in the disabled position.

When enabled, notification appliances can be deactivated by pressing the "ALARM SILENCE" switch. Pressing the "SYSTEM RESET" switch restores the system to normal operation. When system activity is normal, the LCD displays the time, date, and "SYSTEM IS NORMAL."



## 4606-9101 LCD Annunciator Specifications

### General Operating Specifications

<b>Voltage</b>	18.9 to 32 VDC, system supplied
<b>Normal Operating Current</b>	110 mA (LED backlighting is on)
<b>Battery Standby Current</b>	65 mA (during battery backup, LED backlighting is turned off after 30 seconds without switch activity)
<b>Alarm Current</b>	140 mA maximum (LED backlighting is on and tone-alert is sounding)
<b>Operating Temperature Range</b>	32° to 120° F (0° to 49° C)
<b>Operating Humidity Range</b>	up to 93% RH, non-condensing at 100° F (38° C)

### Communications

<b>Type</b>	N2 external annunciator communications line from 4010 Fire Alarm Control Panel	
<b>Capacity</b>	Up to 6 annunciator modules total, 4606-9101 or 4605 series, 24 point I/O modules	
<b>Wiring Requirements</b>	<b>Communications</b>	Single twisted, shielded pair, 18 AWG
	<b>Power and Earth</b>	18 to 12 AWG wires for 24 VDC system power and Earth ground for electrical box (ground per local code)

### Mounting Information

<b>Trim Dimensions</b>	4 1/2" H x 11 13/16" W (114 mm x 300 mm)	
<b>Assembly Depth</b>	1 5/16" (33 mm), 1 1/2" at terminal block location (38 mm)	
<b>Standard Trim Finish</b>	Steel, painted beige	
<b>4603-9111, Optional Trim</b>	Brushed aluminum (ordered separately)	
<b>Trim Hardware</b>	Supplied with both slotted and tamper resistant screws	
<b>Boxes for Flush Mounting</b> (supplied by others)	<b>Masonry boxes</b>	Six-gang box, 2 1/2" (64 mm) deep minimum RACO # 960, 2 1/2" deep or RACO # 965, 3 1/2" (89 mm) deep or equal
	<b>Single gang boxes</b>	Six, single gang boxes, 3 1/2" (89 mm) deep minimum, RACO # 600 or equal
	<b>Box selection note</b>	Conduit entrance is box dependent, refer to additional mounting information on page 4 and Installation Instructions 574-188

### 2975-9217, Surface Mount Box Option\* (ordered separately)

<b>Dimensions</b>	12" W x 4 5/8" H x 1 3/4" D (305 mm x 117 mm x 44 mm)
<b>Finish</b>	Painted steel, ivory finish

\* Reference Wiremold box number V5748-6.

## Mounting Information

### Flush Mount Ganged Boxes:

Use 6-gang box, 3 1/2" (89 mm) min. depth, RACO # 590 using knockouts 2 1/2" from front, or RACO # 600 using side knockouts or rear cable clamps, or equal (supplied by others)

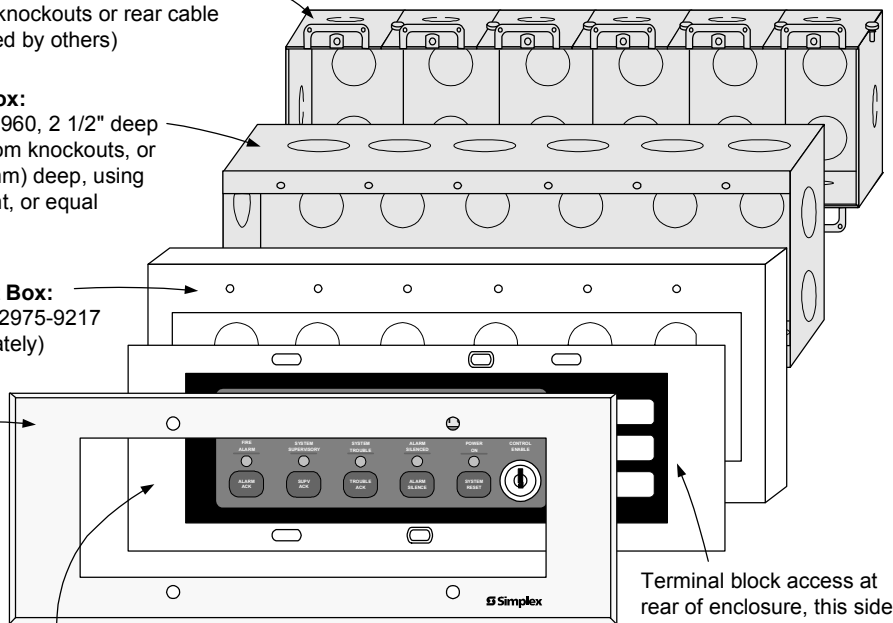
### Flush Mount Masonry Box:

Use 6-gang box, RACO # 960, 2 1/2" deep (64 mm) using top or bottom knockouts, or RACO # 965, 3 1/2" (89 mm) deep, using knockouts 2 1/2" from front, or equal (supplied by others)

### Surface Mount Box:

Simplex model 2975-9217 (ordered separately)

Trim plate



Terminal block access at rear of enclosure, this side

### Annunciator Assembly

**NOTE:** Enclosure extension into box is 10" W x 2 5/8" H x 1 5/16" D, 1 1/2" deep at terminal block access, offset to left (254 mm x 67 mm x 33 mm, 38 mm), select conduit entry accordingly.

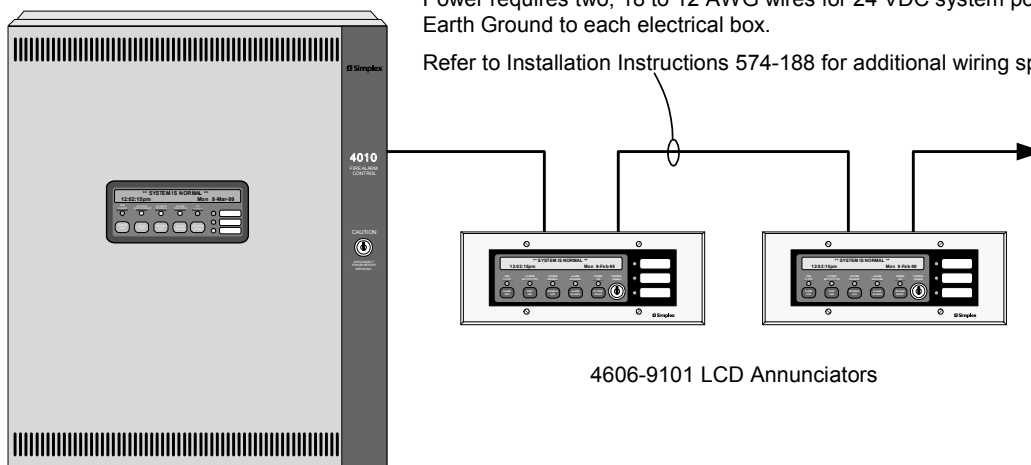
## Wiring Reference

### Interconnection Wiring:

Communications require a single 18 AWG twisted, shielded pair.

Power requires two, 18 to 12 AWG wires for 24 VDC system power, plus Earth Ground to each electrical box.

Refer to Installation Instructions 574-188 for additional wiring specifications.



4606-9101 LCD Annunciators

4010 Fire Alarm Control Panel

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