# ⑤ Simplex

# Multi-Application Peripherals and Accessories

Annunciators,
4616 Series, 24 Point Serial LED Annunciators
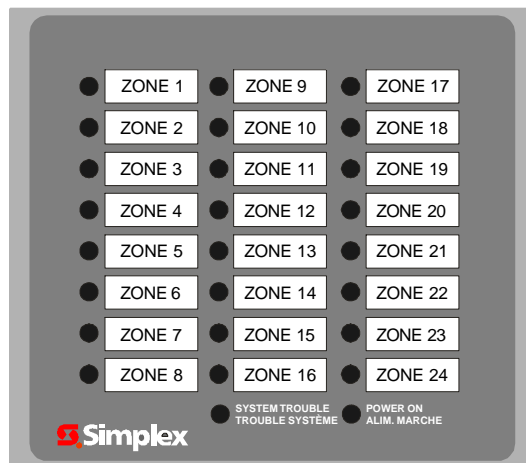
*ULC Listed*

## Features

- LED annunciator for use with the Simplex 4010 fire alarm control panel

- Information is transmitted over one twisted, shielded pair

- 24 Red/Yellow LEDs, jumper selectable

- Long life LEDs

- Low current consumption

- Supervised from Simplex 4010 control panel

- Lamp test

- Surface mount on standard electrical box

- 18 gauge steel casing



**4616 Serial LED Annunciator**

## Description

The Simplex 4616 series serial LED annunciators are designed for use with the Simplex 4010 series fire alarm control panel. Initiating circuit alarm and trouble information is transmitted to the annunciator over one twisted, shielded pair.

Standard zone information (i.e., Zone 1, Zone 2) is provided on "slip-in" labels. Specific zone information may be typed on the reverse side (i.e. east wing, first floor) of the label.

The 4616 series annunciators come standard with 24 points of annunciation, a "Power On" LED, a "System Trouble" LED and a "Lamp Test" feature. A piezo and a piezo silence are available as options. The various configurations are listed on the back.

## Available models

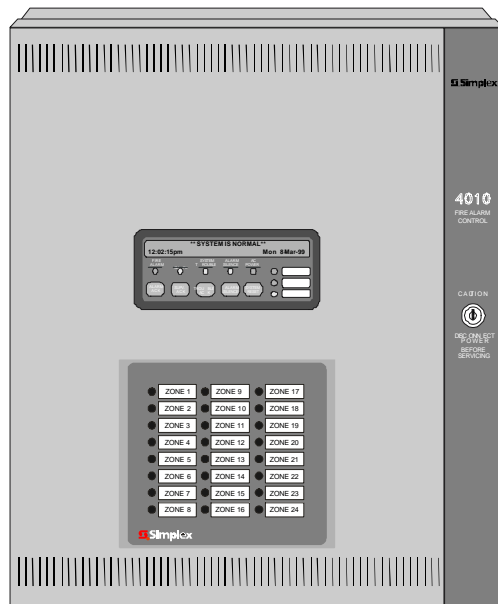| Model | Description |
|---|---|
| 4616-9301CA | 24 Point Annunciator |
| 4616-9302CA | 24 Point Annunciator with Piezo |
| 4616-9303CA | 24 Point Annunciator with Piezo and Silence |

## 4616 Series LED Annunciator Specifications

### General Specifications

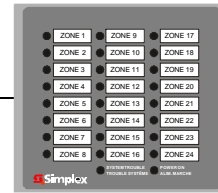| | |
|---|---|
| Voltage | 18-32 VDC, system supplied |
| Standby operating current | 70.6 mA |
| Alarm current | 308 mA (all LEDs) |
| Piezo current | 16 mA |
| Communications | N2 external annunciator communications line from 4010 FACP |
| Temperature Range | 32° F to 120° F (0° C to 49° C) |
| Humidity Range | 10% to 90% RH, non-condensing, at 90° F (32° C) |
| Dimensions | 7 1/4" H x 7 1/4" W x 1 3/8" D (185 mm x 185 mm x 35 mm) |

### Mounting Information

Surface mount on a standard single gang electrical box or on front of 4010 fire alarm control panel

## Wiring Reference

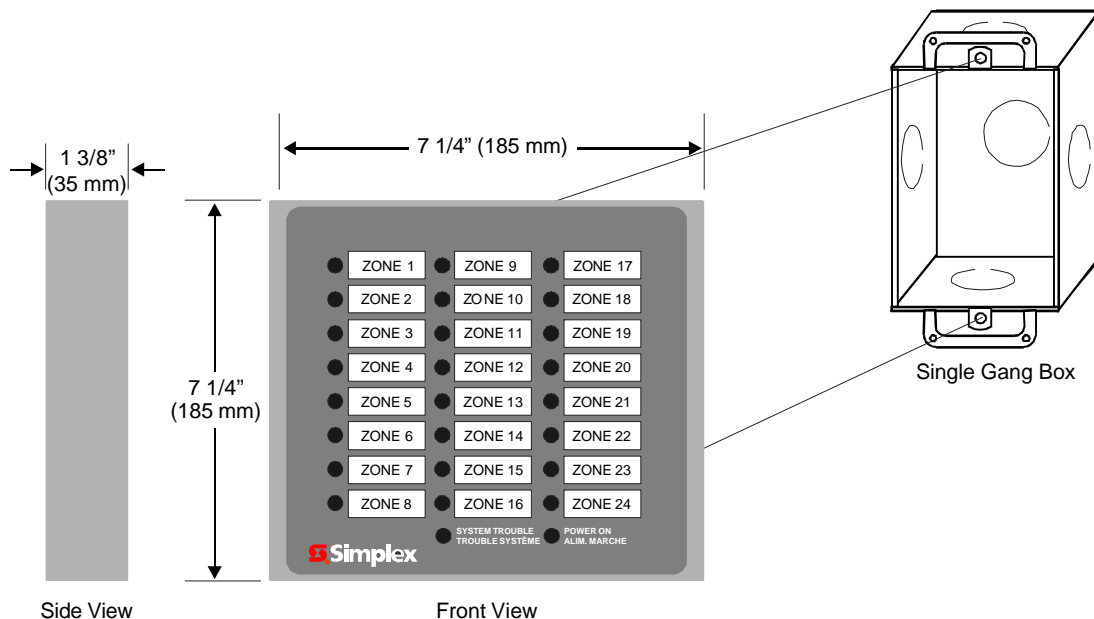**4010 Series Fire Alarm Control Panel**

**4616 Series LED Annunciator**

– One #18 AWG twisted shielded pair
– Two #18-12 AWG - Power
– One #18 AWG as needed - See below
• Refer to Field Wiring Specifications for distance limitations.
• Maximum distance determined by 4602 Field Wiring Specifications.

## Options

|  | Hardwired Controlled | I/O Controlled | Controlled by System Trouble LED |
|---|:---:|:---:|:---:|
| Power On LED | ✓ | ✓ | |
| System Trouble LED | ✓ | ✓ | |
| Piezo* | | ✓ | ✓ |

\* A local piezo silence switch is available as an option.

## Mounting Information

1 3/8" (35 mm)

7 1/4" (185 mm)

7 1/4" (185 mm)

Single Gang Box

Side View

Front View