Remote multi-line expanded content display interface for Simplex® 4010ES Series fire alarm control panels:

- Remote InfoAlarm Command Centers that mount in a dedicated cabinet
- 4010ES control panels support Remote InfoAlarm Command Centers independent of host panel display type
- UL listed to Standard 864

InfoAlarm Command Centers provide customized operating convenience:

- “Activity in System” primary display choices include: First and Most Recent, First 5 and Most Recent, First 8, Site Plan with activity status icons, General Alarm, or Direct to List; selectable individually by event type
- System reports are easily viewed; logs can be read with minimal scrolling required
- Up to six “softkeys” per screen provide functions that vary with the particular screen information aiding operators to determine how to proceed
- Up to two languages are available per system, easily selected by programmable key press (systems with IMS/GCC/NPU or 2 x 40 LCD panels or annunciators require one language to be the default font)
- International models allow customized language legends for operator keys and status LEDs
- Information sent to Remote InfoAlarm Command Centers can be vectored by point

Display properties:

- 320 x 240 dot matrix (QVGA) display provides an active area of 4.53” W x 3.4” H (115 mm x 86 mm) displaying up to 854 characters using standard ASCII character font
- Bright white LED backlighting provides efficient and long lasting illumination; operation is selectable as continuous or off with power fail or with no key presses

Introduction

Displaying more information. The InfoAlarm Command Center provides an expanded content, multi-line LCD interface that requires minimal key presses to access detailed information. Because it is system-powered, its detailed information is provided without requiring separate supplementary equipment.

InfoAlarm Command Center Control Panel. By using a larger area format instead of an individual text line display, the LCD provides text information for Alarm, Priority 2, Supervisory, or Trouble. The format is flexible and able to be customized per application allowing additional information to be presented to suit the specific application.
NOTE: Refer to page 5 for international InfoAlarm user interface reference information

320 x 240 DOT MATRIX DISPLAY. White LED backlighting provides easy viewing; operation is programmable for key inactivity timeout and/or AC power fail.

SIX SOFT KEYS are available when required. This sample provides Menu to call up the available operations; More Info to call up specific point details; Site to call up the Site Plan Graphic Screen; Event Time (while pressed) displays time and date for all displayed events, and Clr/Exit; the following are other typical soft keys:
- Point Enable and Disable
- Force On or Arm
- Force Off or Disarm
- Return On/Off or Arm/Disarm to Auto Mode
- Event Time Request
- More Information Request

NUMERIC KEYPAD for point category and point selection (alphabet characters are not used at this time)
- C/Exit Key duplicates the Clr/Exit softkey when present

LCD NAVIGATION CONTROL:
- Menu, Enter; Previous Item select, Next Item select, Page Up and Page Down

SIX SYSTEM STATUS INDICATOR LEDs provide system status indications in addition to LCD information, LEDs flash to indicate the condition and then when acknowledged, remain on until reset:
- Fire Alarm & Priority 2 Alarm, red LED
- Supervisory & Trouble, yellow LED
- Alarm Silenced, yellow LED
- AC Power, green LED (on for normal)

THREE PROGRAMMABLE LEDs provide custom labeling, the top two LEDs are selectable as red or yellow, the third LED is selectable as red or green.

ULC SYSTEMS require designating a Ground Fault indicator.

Custom label insert (typical choices shown for reference)

SEVEN PROGRAMMABLE FUNCTION SWITCHES, each equipped with dual color LED indicators; the top six LEDs are selectable as either red or yellow, the bottom LED is selectable as either red or green.

NOTE: Program the bottom switch as "Lamp Test" for UL listed systems.

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FIRST OCCURRENCES (UP TO 5) AND MOST RECENT OCCURRENCE, ACTIVITY IN SYSTEM DISPLAY (*Fire Alarm in System* screen shown for reference, see page 2 for a First 8 Events display)

**FIRST OCCURRENCE** advises of the time, date, device type, and custom label of the first occurrence of the event type displayed; the numerical count identifies the sequence of occurrence; when selected as the primary display screen, display of first occurrence and most recent occurrence is maintained until events are acknowledged which brings up the event list (similar to the First 8 display); the display reverts back to "First and Most Recent" when the Clr/Exit softkey is selected or after a time delay

**FONT ATTRIBUTES** include:
- Normal
- Bold
- Underline
- Double
- Dim
- Reverse
- Flash On/Off
- Flash On/Dim
- and commands for Vertical and Horizontal Placement

**DISPLAY SIZE:**
4.53" W x 3.4" H (115 mm x 86 mm)

**SOFT KEYS** in this column correspond to the panel pushbutton switches; programming allows the soft keys to appear only when the functions are enabled

**TALLY COUNTS** list the number of activities per category of Fire Alarm (FIRE), Primary 2 Alarm (PRI2), Supervisory (SUPV), and Trouble (TRBL)

**COMMAND PROMPT** advises the operator of the action required and displays local panel time

**MOST RECENT** advices of the time, date, device type, and custom label of the most recent occurrence of the list shown, in this case, the Fire Alarm list
Site Plan with Event Icons

Site Plan Bitmap. The InfoAlarm Command Center supports a site plan monochrome bitmap image (size is 281 pixels wide by 192 pixels high) that can also display icons indicating activity and location. Shown to the right is a sample site plan with icons shown in each building area. For this example, each area is showing an “A” for an initiating device in alarm, a “WF” for waterflow occurring, and an icon indicating notification appliances in alarm. (Icons can be created for site specific symbology, these are for example only.)

Site Plan Selection and Detail. If desired, the site plan can be the primary display screen for system activity or can be for reference, available by selecting the “Site” softkey. Depending on the facility layout, the site plan can also be a convenient location for common reference information such as primary call phone numbers, street address, etc. to assist operators in their assigned response.

System Normal Screen. The site plan (or another bitmap image) can be displayed on the System Normal screen as a grey image watermark behind the screen text. (Size and type are the same as that for a site plan bitmap). This can be used to identify the specific location of the 4010ES or can display a site-specific logo or other information. (A sample is shown on page 6.)

Information Review

The Trouble Log History screen shown to the right identifies the ability to view multiple event entries with minimal scrolling. For specific information access, pressing “Next” or “Previous” on the keypad highlights the selected next or previous item in the list as indicated by the arrow and the bolded first line of Entry 6.

For access to the next or previous full screen of information, use the Page Dn or Page Up keys located to the right of the soft keys, each to the right of the display.
**Additional Primary Display Screens**

Below are samples of a First and Most Recent primary display and of a General Alarm display.

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**First and Most Recent Primary Display Option**

**Fire Alarm in System**

**First Alarm**

01/13 AM 07/13/14
Smoke Detector  Abnormal
North Basement

**Recent Alarm**

12/13 PM 07/13/14
Smoke Detector  Abnormal
6th Floor East Corridor

Press 'Fire Ack' to acknowledge total.

FIRE-12  PRI-0  SUPV-0  TREL-0

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**General Alarm Primary Display Option**

**System Status**

FIRE-2  PRI-0  SUPV-0  TREL-0

Press 'Fire Ack' to acknowledge.

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**International Display Details**

- **Custom Label Insert** for the three programmable LEDs and for the seven programmable switches.
- **Note:** Two sets of slide-in labels are provided, one blank, the other in English; areas shown with +++ are blank for custom words/characters.
- **Upper Label Insert** allows custom labeling of the numeric keypad and of the LCD navigation controls.
- **Lower Label Insert** allows custom labeling of the six ACK/Silence/Reset switches and labeling of their associated LEDs.
- **Generic site plan shown for reference.**

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**Switch Programming Examples:** For UL listed systems, designate the bottom switch for Lamp Test; for dual language systems, you can program a second switch to change the language display (text shown for reference only, slide-in labels are blank).
Remote InfoAlarm Command Center Product Selection

Remote InfoAlarm Command Center Control Assembly with Cabinet for Surface Mounting

<table>
<thead>
<tr>
<th>Model Number/Cabinet Color</th>
<th>Application Type</th>
<th>Listing</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red 4100-9401</td>
<td>English</td>
<td>UL &amp; ULC</td>
<td>Remote InfoAlarm Command Center with cabinet; for surface mounting; includes</td>
</tr>
<tr>
<td>Platinum 4100-9403</td>
<td></td>
<td></td>
<td>mounting box and door assembly with glass insert; uses RUI communications;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>requires external 24 VDC system voltage; see illustrations below and</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Installation Instructions 579-687 for details</td>
</tr>
<tr>
<td>4100-9421</td>
<td>French/Canada</td>
<td>ULC</td>
<td></td>
</tr>
<tr>
<td>Platinum 4100-9423</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4100-9441</td>
<td>International</td>
<td>UL</td>
<td></td>
</tr>
<tr>
<td>Platinum 4100-9443</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remote InfoAlarm Command Center Front View

Remote InfoAlarm Command Center Mounting Reference

NOTE: Bring wiring through back of box; do not use cabinet bottom; refer to Installation Instructions shipped with assembly.
## Specifications

### General Display Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dot Matrix Size</td>
<td>320 x 240</td>
</tr>
<tr>
<td>Active Display Area</td>
<td>4.53” W x 3.4” H (115 mm x 86 mm), includes header, footer, and softkey area; 5.66” diagonal measurement (144 mm)</td>
</tr>
<tr>
<td>Characters</td>
<td>Up to 854 characters total using standard ASCII character font</td>
</tr>
<tr>
<td>Display Polarizer Type</td>
<td>Transreflective with rear backlight</td>
</tr>
<tr>
<td>Display Adjustment</td>
<td>Contrast adjustment is located on the controller module</td>
</tr>
<tr>
<td>Backlight</td>
<td>White LEDs with intensity adjustment and selectable AC power fail operation; intensity adjustment is located on the controller module</td>
</tr>
<tr>
<td>Backlighting Operation Options</td>
<td>On continuously; Off with AC power fail until a switch is pushed; selectable timeout without switch activity</td>
</tr>
</tbody>
</table>

### Remote Annunciators with InfoAlarm Command Center, Powered from Control Panel

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>19 to 33 VDC (24 VDC nominal), system supplied; requires separate wiring</td>
</tr>
<tr>
<td>Current</td>
<td>Supervisory 186 mA @ 24 VDC</td>
</tr>
<tr>
<td></td>
<td>Alarm 214 mA @ 24 VDC; backlight and tone-alert on</td>
</tr>
<tr>
<td>Mounting Details; Stand-Alone Cabinet Models</td>
<td>See page 7 for reference illustration</td>
</tr>
<tr>
<td>4010ES Capacity, RUI Output</td>
<td>RUI (Remote Unit Interface) external annunciator communications line SLC (signaling line circuit)</td>
</tr>
<tr>
<td></td>
<td>Capacity Up to 10 Remote InfoAlarm Command Center devices, up to 20 internal and external card addresses per 4010ES</td>
</tr>
<tr>
<td></td>
<td>Data Unshielded Twisted Pair, 18 to 12 AWG (0.82 mm² to 3.31 mm²) wires</td>
</tr>
<tr>
<td></td>
<td>Power 18 to 12 AWG (0.82 mm² to 3.31 mm²) wires for 24 VDC system power</td>
</tr>
<tr>
<td>Wiring Requirements</td>
<td>Earth 0.58 µF (580 nF) maximum capacitance between conductors; 35 Ω maximum total line resistance</td>
</tr>
<tr>
<td></td>
<td>Distance Class X wiring Up to 2500 ft (762 m)</td>
</tr>
<tr>
<td></td>
<td>Class B “T-Tap” wiring Up to 10,000 ft (3048 m) total wiring; up to 2500 ft (762 m) to farthest device</td>
</tr>
</tbody>
</table>

### Custom Point Detail Messages

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message Location Details</td>
<td>Select “more info” softkey when investigating point detail and scroll to the bottom of the information; typical messages might include contact details (phone numbers, pager numbers, etc.) and other contact or reference information</td>
</tr>
<tr>
<td>Number of Messages</td>
<td>Up to 50</td>
</tr>
<tr>
<td>Message Size</td>
<td>Character Details 120 characters; visible characters = 116; (lines 1 and 2 require one carriage return character and one line feed character)</td>
</tr>
<tr>
<td></td>
<td>Line Details 3 lines total; 40 characters maximum per line; line 3 may be limited to 36 visible characters depending on characters in lines 1 and 2</td>
</tr>
<tr>
<td>Environmental</td>
<td>Operating Temperature 32° to 120°F (0° to 49° C)</td>
</tr>
<tr>
<td></td>
<td>Operating Humidity Up to 93% RH, non-condensing @ 90° F (32° C) maximum</td>
</tr>
</tbody>
</table>

### Additional Data Sheet Reference

<table>
<thead>
<tr>
<th>Data Sheet</th>
<th>Subject</th>
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</tr>
</thead>
<tbody>
<tr>
<td>S4010-0004</td>
<td>Standard Panel Reference</td>
<td>S4010-0005</td>
<td>Agent Release Applications</td>
</tr>
</tbody>
</table>