

Features

Multi-line expanded content display interface for Autocall 4010ES Series fire alarm control units available for:

- 4010ES fire alarm control units (stand-alone or networked, requires two bay cabinet)
- Remote InfoAlarm Command Centers that mount in a dedicated cabinet (4010ES control units support Remote InfoAlarm Command Centers independent of host control unit 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 control units 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 Unit. 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.

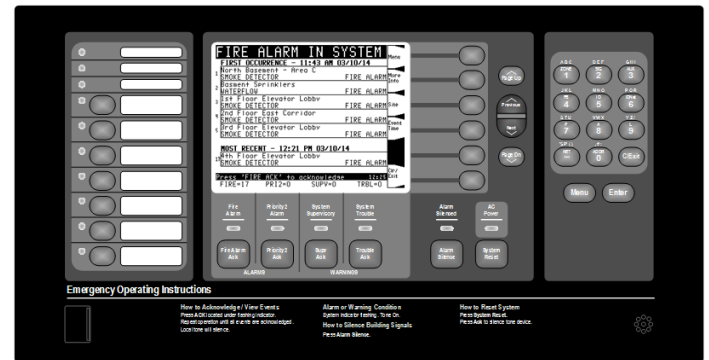


Figure 1: InfoAlarm Command Center for Control Unit Mounting



Figure 2: InfoAlarm Command Center in Remote Cabinet

Description

4100 Series InfoAlarm Command Centers for 4010ES fire alarm systems provide a large display with extended information content, dual language support including 2 byte character languages, and an intuitive control key interface per the following:

- Up to 10 InfoAlarm Command Centers are supported per 4010ES control unit; able to allow one InfoAlarm Command Center to take-control and to designate access levels for interfaces not in-control; LEDs can be programmed for in-control status indications
- Menu-driven format conveniently prompts operators for the next action required
- Key controls are provided to select the highlighted entry, load next screen of information, or jump to top or bottom of activity lists
- Direct point callup displays individual points alphabetically and then homes in on the logical choice as more point information is entered
- A Site Plan bitmap can be displayed for reference; icons can be added to indicate system status
- Up to 50 custom point detail messages can be generated
- Date formats are either MM/DD/YY or DD/MM/YY
- Time formats are either 24 hour or 12 hour with AM/PM
- System Normal screen supports a gray scale bitmap (watermark) for location name, company logo, or site plan

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 in [Remote InfoAlarm Command Center Front View.](#))

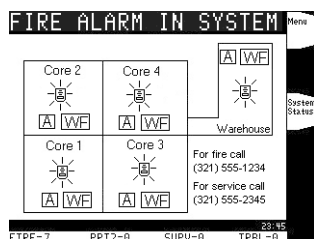


Figure 3: First and Most Recent Primary Display Option



Figure 4: General Alarm Primary Display Option

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.

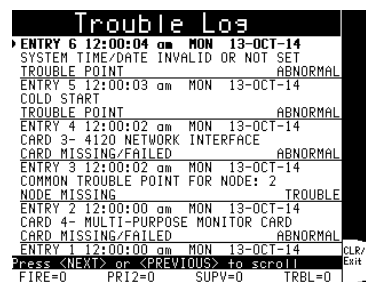


Figure 5: Trouble Log

Customized Emphasis

The Main Menu screen illustration to the left demonstrates how print/display statements appear for status information or for prompting of user input. Other examples of this format occur when setting time and date, entering a password, or identification of a status change such as point enabling or disabling. Use of this feature allows the display to clearly focus the user on required information or actions.

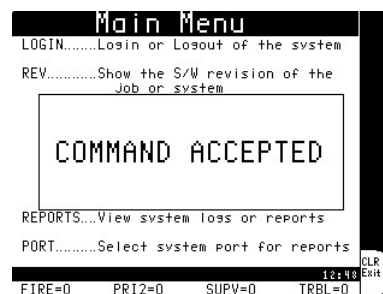


Figure 6: Command Accepted

Additional Primary Display Screens

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

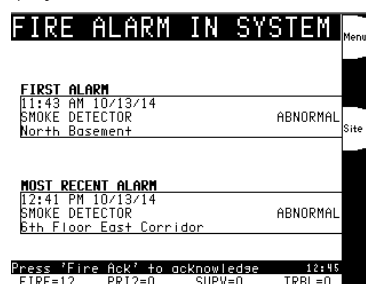


Figure 7: First and Most Recent Primary Display Option



Figure 8: General Alarm Primary Display Option

Control Unit Operation

Note: Refer to [International Display Details](#) for international command center display reference information.

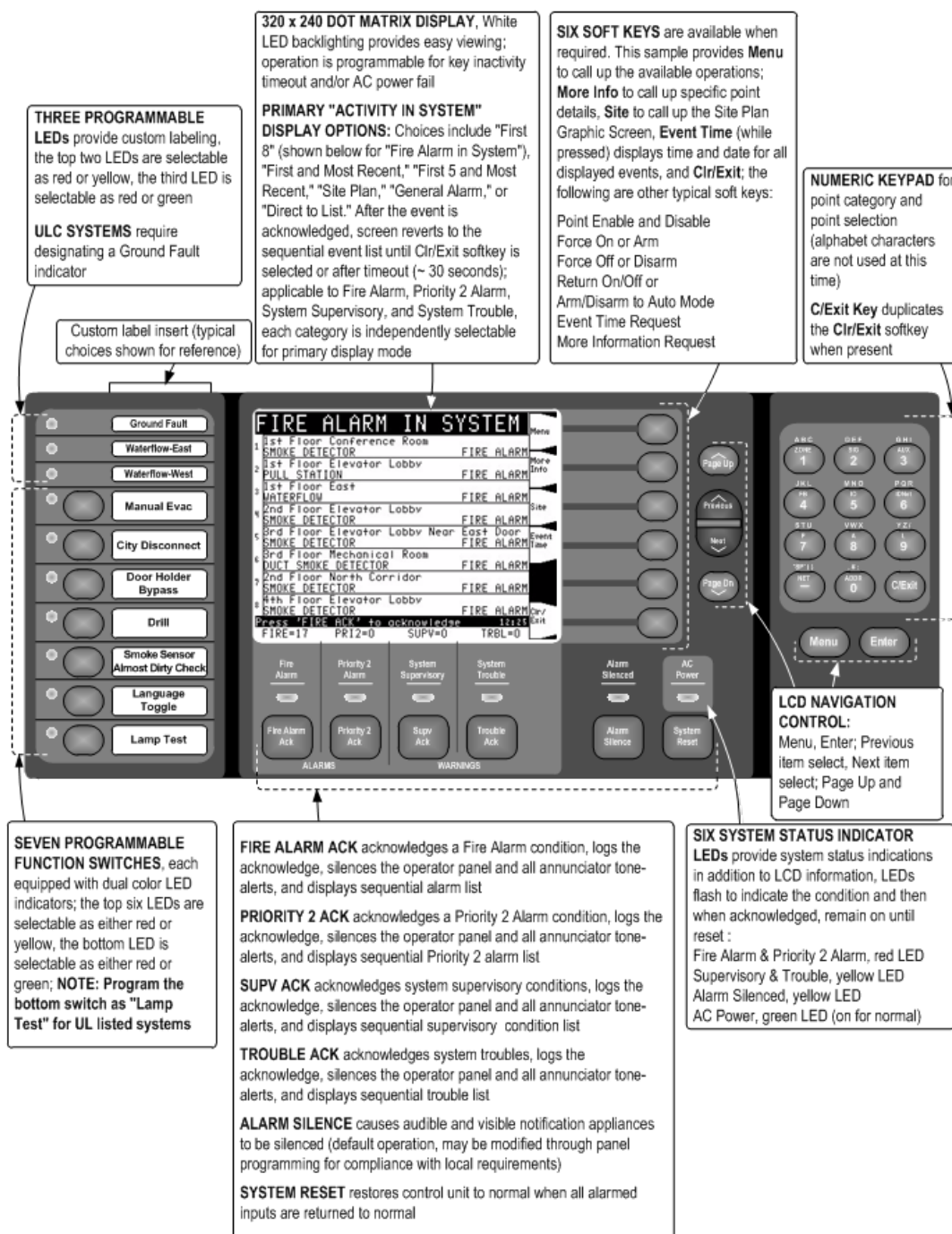


Figure 9: Control Unit

Display Feature Reference (shown actual size) Site Plan with Event Icons

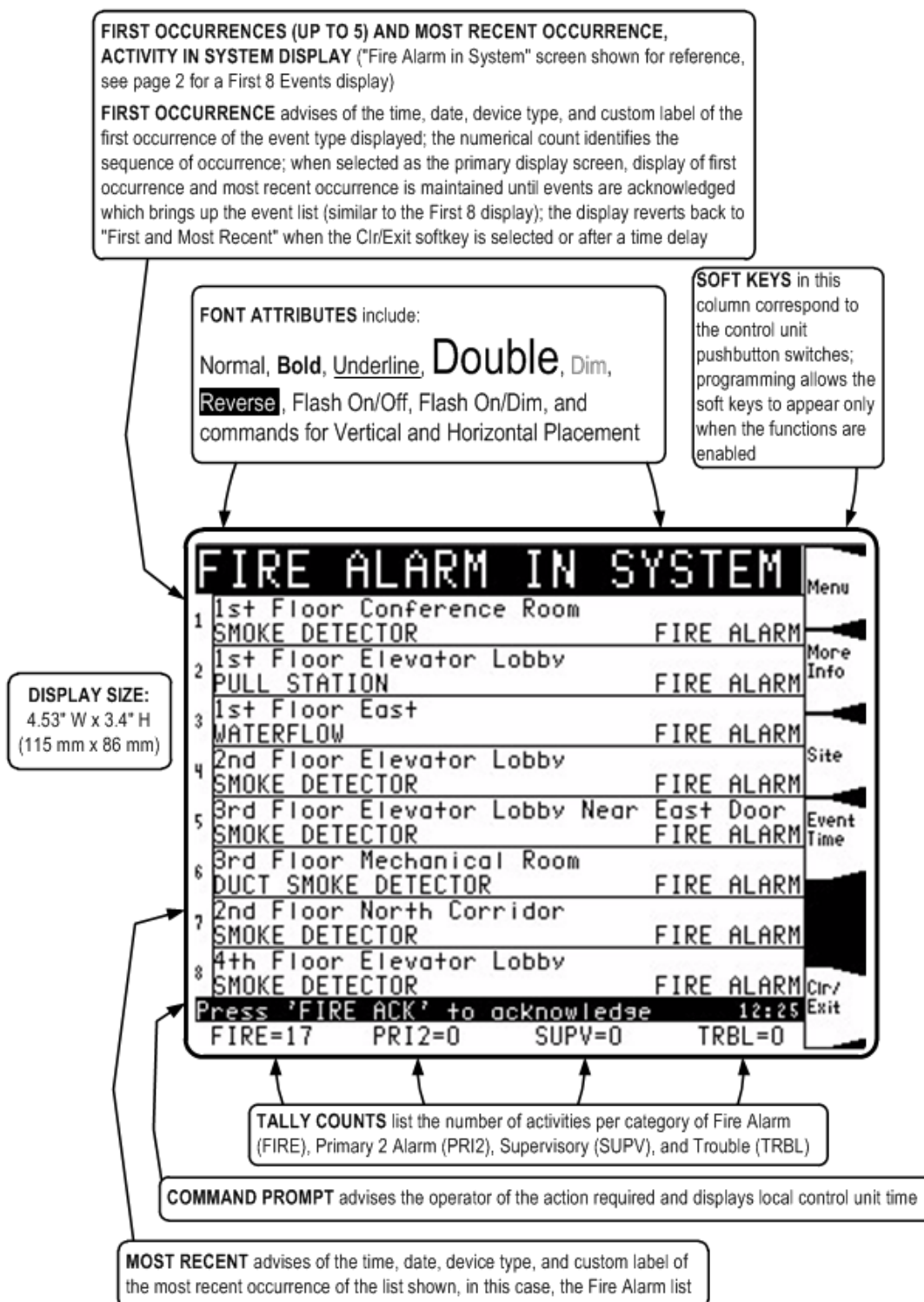


Figure 10: Display reference

International Display Details

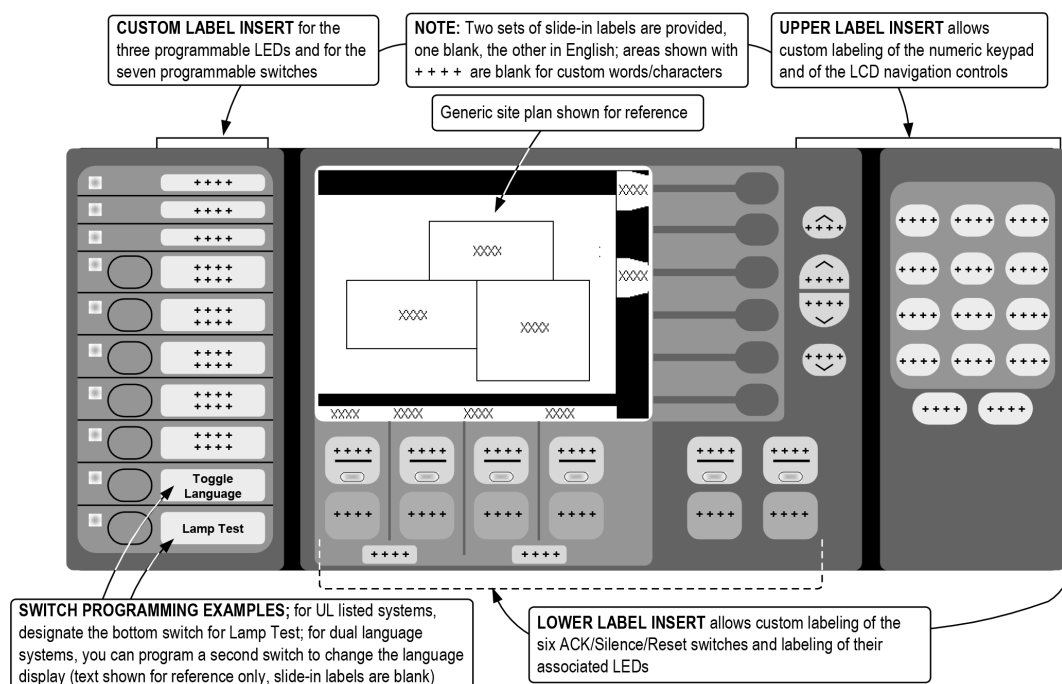


Figure 11: Display details

Remote InfoAlarm Command Center Mounting Reference

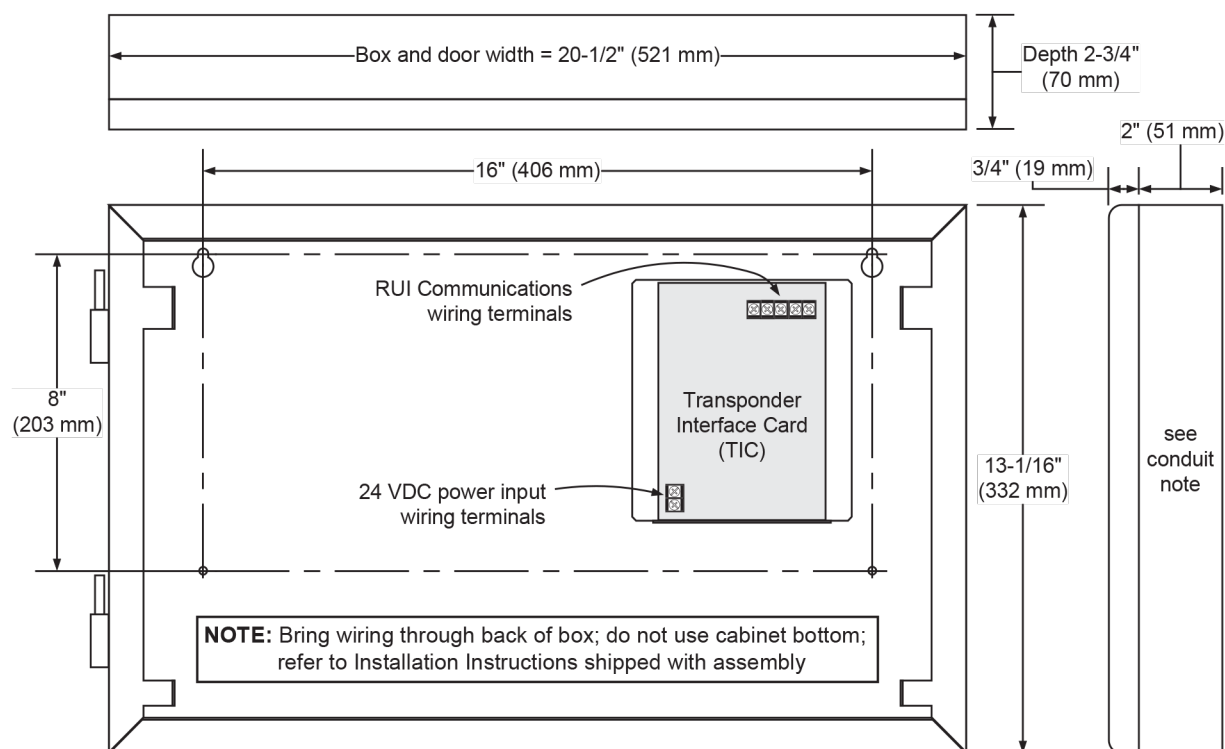


Figure 12: Mounting reference

Remote InfoAlarm Command Center Front View



Figure 13: Front view

Remote InfoAlarm Command Center Product Selection

Table 1: First and Most Recent Primary Display Option

Remote InfoAlarm Command Center Control Assembly with Cabinet for Surface Mounting				
Model Number/Cabinet Color		Application Type	Listing	Description
Red	Platinum			
A100-9401	A100-9403	English	UL & ULC	Remote InfoAlarm Command Center with cabinet; for surface mounting; includes mounting box and door assembly with glass insert; uses RUI communications; requires external 24 VDC system voltage; see illustrations below and Installation Instructions 579-687AC for details
A100-9441	A100-9443	International	UL	

Specifications

Table 2: General Display Specifications

Specification		Details
Size Reference	Dot Matrix Size	320 x 240
	Active Display Area	4.53" W x 3.4" H (115 mm x 86 mm), includes header, footer, and softkey area; 5.66" diagonal measurement (144 mm)
	Characters	Up to 854 characters total using standard ASCII character font
	Designation	QVGA; one quarter of standard VGA (Video Graphics Array) display
Display Polarizer Type		Transflective with rear backlight
Display Adjustment		Contrast adjustment is located on the controller module
Backlight		White LEDs with intensity adjustment and selectable AC power fail operation; intensity adjustment is located on the controller module
Backlighting Operation Options		On continuously; Off with AC power fail until a switch is pushed; selectable timeout without switch activity

Table 3: Remote Annunciators with InfoAlarm Command Center, Powered from Control Panel

Specifications	Details
Voltage	19 to 33 VDC (24 VDC nominal), system supplied; requires separate wiring

4100ES Fire Control Units InfoAlarm Command Center for the 4010ES Fire Alarm Control Unit

Table 3: Remote Annunciators with InfoAlarm Command Center, Powered from Control Panel

Specifications		Details
Current	Supervisory	186 mA @ 24 VDC
	Alarm	214 mA @ 24 VDC; backlight and tone-alert on
Mounting Details; Stand-Alone Cabinet Models		See Remote InfoAlarm Command Center Mounting Reference for reference illustration
4010ES Capacity, RUI Output	Type	RUI (Remote Unit Interface) external annunciator communications line SLC (signaling line circuit)
	Capacity	Up to 10 InfoAlarm Command Center devices, up to 20 internal and external card addresses per 4010ES
Wiring Requirements	Data	Unshielded Twisted Pair, 18 to 12 AWG (0.82 mm ² to 3.31 mm ²) wires
	Power	18 to 12 AWG (0.82 mm ² to 3.31 mm ²) wires for 24 VDC system power
	Earth	A dedicated earth ground connection to the electrical box is required for proper ESD and EMI protection; wire in accordance with NFPA 70 (<i>National Electrical Code</i>) Article 250
	Resistance and Capacitance	0.58 µF (580 nF) maximum capacitance between conductors; 35 Ω maximum total line resistance
Distance	Class X wiring	Up to 2500 ft (762 m)
	Class B "T-Tap" wiring	Up to 10,000 ft (3048 m) total wiring; up to 2500 ft (762 m) to farthest device

Table 4: Custom Point Detail Messages

Messaging options		Details
Message Location Details		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
Number of Messages		Up to 50
Message Size	Character Details	120 characters; visible characters = 116; (lines 1 and 2 require one carriage return character and one line feed character)
	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

Table 5: Environmental

Specification	Details
Operating Temperature	32 °F to 120 °F (0 °C to 49 °C)
Operating Humidity	Up to 93% RH, non-condensing @ 90 °F (32 °C) maximum

Additional Data Sheet Reference

Table 6: Additional Reference

Data Sheet	Subject
AC4010-0004	4010ES Basic Control Units (North America)
AC4010-0006	4010ES Basic Control Units (International)
AC4010-0005	4010ES Suppression Release (North America)
AC4010-0011	4010ES Fully Addressable Units (North America)
AC4010-0012	4010ES Fully Addressable Units (International)

