

# NCA-2 OPERATING INSTRUCTIONS

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## Section 1 Operating Information

### Normal Standby Operation.

1. Green POWER indicator lit steadily.
2. Red FIRE ALARM indicator off.
3. Yellow TROUBLE indicators off.

### Alarm Condition.

1. Red FIRE ALARM indicator lit.
2. Alarm signaling devices activated.
3. Option module (remote station or supplementary alarm relay) activated.
4. Alarm information visible on LCD (liquid crystal display).

**Alarm Reset.** After locating and correcting the alarm condition, reset the control panel by pressing the SYSTEM RESET switch.

**Trouble Condition.** Activation of trouble signal under normal operation indicates a condition that requires **immediate** attention. Contact your local service representative. Silence the audible signal by pressing the ACKNOWLEDGE switch. The trouble indicator will remain illuminated.

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## Section 2 NCA-2 Key Functions

**ACKNOWLEDGE.** This silences the piezo sounder and changes all flashing conditions to steady. It sends an acknowledge message to the printer and history file. ACKNOWLEDGE also automatically sends a special command to silence piezo sounders on ACS Annunciators. If more than one event exists, it advances the display to the next item and displays it until the ACKNOWLEDGE switch is pressed again. Only one press is necessary for non-fire, trouble, or supervisory signals.

**SIGNAL SILENCE.** SIGNAL SILENCE turns off all silenceable circuits and illuminates the SIGNALS SILENCED indicator. It also sends a SIGNALS SILENCED message to the LCD, printer, and history file. A subsequent alarm will then resound the system.

Notes:

1. This system is programmed to inhibit signal silence for \_\_\_\_ seconds.
2. This system is programmed to automatically silence alarm signal after \_\_\_\_ minutes.

**DRILL.** The NCA-2 waits for the DRILL switch to be pressed for 2 seconds (to prevent accidental activations), then turns on all silenceable circuits (all control modules/panel circuits that are programmed silenceable), and turns off the SIGNALS SILENCED LED. This event shows on the LCD, printer, and History file.

**SYSTEM RESET.** Resets the control panel in standalone applications. Resets panel when enabled in network applications.

**LAMP TEST.** Press and hold the switch to lamp-test the LEDs.

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## Section 3 LED Indicators

**Controls Active.** Green LED which illuminates when the XLS-NCA2 assumes control of the network primary display.

**Power .** Green LED which illuminates when primary power is applied to the control panel.

**Fire Alarm.** Red LED that flashes when one or more alarms occur. Illuminates steadily after alarms are acknowledged, and turns off when SYSTEM RESET is pressed after alarm clears.

**Pre-Alarm.** Red LED that flashes when a pre-alarm threshold is reached.

**Security.** Blue LED that illuminates for a security alarm. LED turns off after the alarm clears and SYSTEM RESET is pressed.

**Supervisory.** Yellow LED that flashes when a Supervisory or Tamper condition occurs, such as a sprinkler valve tamper condition. The LED illuminates steady after conditions are acknowledged, and turns off when the conditions are cleared. The Tamper indication will latch until SYSTEM RESET is pushed.

**System Trouble.** Yellow LED that flashes when one or more troubles occur. Goes on steadily when ACKNOWLEDGE is pressed, and turns off when all trouble conditions are cleared.

**Other Event.** Future use.

**Signals Silenced.** Yellow LED that illuminates after SIGNALS SILENCED has been pressed. Turns off when DRILL or SYSTEM RESET is pressed.

**Point Disabled.** Yellow LED that illuminates when one or more points are disabled. The LCD will indicate which points have been disabled. Turns off when points are re-enabled.

**CPU Failure.** Yellow LED that illuminates if the microprocessor fails.

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## Section 4 NCA-2 Audible Sounder

**Alarm.** A continuous sounding tone.

**Trouble, Disable, Prealarm.** Two beeps per second.

**Supervisory.** Four beeps per second.

**Security.** Eight beeps per second.

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## Section 5 Periodic Testing and Maintenance

To ensure proper and reliable operation, system inspection and testing should be scheduled monthly, or as required by NFPA 72 or local fire codes. A qualified Service Representative should perform testing.

**Before Testing:** Notify fire department and/or central alarm receiving station if alarm condition is transmitted. Notify facility personnel of the test so alarm sounding devices are ignored during the test period. *Physically disconnect all releasing devices.*

**Remote Connection Feature:** ULC requires that devices such as UDACT and TM-4 be disconnected during annual testing to prevent transmission of false alarms.

**UDACT:** Disable by turning the internal AKS-1 keyswitch.

**TM-4:** Slide SW4 Disable All Output switch from "Enable" to "Disable."

**After Testing:** Notify all fire, central station, and/or building personnel when testing is complete. *Re-connect releasing devices.*

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## Section 6 Local Service Representative:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

This sheet must be framed and mounted adjacent to the control panel.  
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