

NFS-320/E/C and NFS-320SYS/E OPERATING INSTRUCTIONS

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 display.

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

Trouble Conditions. 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/SCROLL DISPLAY switch. The trouble indicator will remain illuminated.

Section 2 Switch Functions

Acknowledge/Scroll Display. This silences the piezo sounder and changes all flashing conditions to steady. Only one press is necessary, regardless of the number of new alarms, troubles, or supervisory signals. If the piezo is silenced, it sends an acknowledge message to the printer and history file. Acknowledge also automatically sends a special command to silence piezo sounders on the FDU-80 and ACS Annunciators.

Signal Silence. SIGNAL SILENCE performs all the functions of ACKNOWLEDGE. In addition, if an alarm exists, it turns off all silenceable circuits and illuminates the SIGNALS SILENCED indicator. It also sends a SIGNALS SILENCED message to the LCD display, printer, and history file. A subsequent alarm will then resound the system.

Notes:

1. This unit is programmed to inhibit signal silence for ____ seconds.
2. This unit is programmed to automatically silence alarm signal after ____ minutes.

Drill. The NFS-320/E/C waits for the Drill switch to be pressed for 2 seconds (to prevent accidental activations), then turns on all silenceable circuits (all FCM-1 modules/bell circuits that are programmed silenceable), and turns off the Signals Silenced LED. It sends a Drill Activated message to the LCD display, FDU-80, 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.

Section 3 LED Indicators

Controls Active. Green LED which illuminates when the panel assumes control of local operation as primary display. Turns off automatically when another panel assumes control of local operation.

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

Pre-Discharge. Red LED lights when any of the releasing zones have been activated, but have not yet discharged a releasing agent; turns off when no releasing zones are in the pre-discharge state.

Discharge. Red LED lights when any of the releasing zones are active and in the process of discharging a releasing agent; turns off when no releasing zones are discharging a releasing agent.

Abort Active. Yellow LED lights when an abort switch has been activated; turns off when an abort switch has been pressed and its timer is still counting down. Activation of a Manual Release Switch will override PredischARGE Delay and override an active Abort Release Switch, resulting in an immediate agent release.

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

Pre-Alarm. Red LED that flashes when a pre-alarm threshold is reached. The LCD display indicates if it is an ALERT or ACTION pre-alarm.

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, Hazard Alert or Tamper condition occurs, such as a sprinkler valve tamper condition. The LED turns off when the Supervisory condition clears. The Hazard Alert or Tamper indication will latch until reset.

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. Will illuminate if the microprocessor watchdog timer fails (CPU FAIL).

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.

Section 4 Audible Tone Indicator

Alarm. A continuous sounding tone.

Trouble/Security. A slow, pulsating tone signal having an equal on and off time.

Supervisory. A fast, pulsating tone signal having an equal on and off time.

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.

After Testing: Notify all fire, central station, and/or building personnel when testing is complete.

Section 6 Local Service Representative:

NAME: _____

ADDRESS: _____

TELEPHONE NUMBER: _____