



**PYRENE FIRE SECURITY MAN.**

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# Extinguishing System Semi-Annual Test And Inspection Report

Customer Number: \_\_\_\_\_  
Report Number: \_\_\_\_\_  
Date: \_\_\_\_\_  
System Manufacturer: \_\_\_\_\_  
Model Number: \_\_\_\_\_

Building Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Building: \_\_\_\_\_

This is to certify the extinguishing system has been tested and inspected in accordance with the following NFPA code(s):  12  12A  13  2001

**Legend:**  **Yes** Tested Correctly  **No** Did not test correctly (see remarks)  **N/A** Not applicable. Function or feature not provided on this extinguishing system.

## Summary

- A. The extinguishing system is fully operational.  Yes  No
- B. The extinguishing system is operational with minor deficiencies noted.  Yes  No
- C. The extinguishing system has major deficiencies noted.  Yes  No
- D. Was halon 1301 removed, recovered, charged or recharged during this service?  Yes  No  N/A

Additional technicians Conducting the Test: \_\_\_\_\_

\_\_\_\_\_  
Name Signature  
Printed Name and Signature of Primary or Supervising Technician Conducting the Test.

## Technician Pre-Test Checklist

- A. The building management has been alerted that the extinguishing system is being tested and that alternative measures under the fire safety plan should be implemented.  Yes  No
  - B. All solenoids, actuators and squibs have been disconnected.  Yes  No  N/A
  - C. All auxiliary functions have been bypassed.  Yes  No  N/A
  - D. Are there spare panel keys available?  Yes  No
  - E. The remote central station has been notified that testing will be taking place and the function bypassed.  Yes  No
- Name of central station: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
System ID Number: \_\_\_\_\_  
Passcode: \_\_\_\_\_

## Control Unit Inspection

- A. Input circuit designations, correctly identified in relation to connected field devices.  Yes  No  N/A
- B. Output circuit designations, correctly identified in relation to connected field devices.  Yes  No  N/A
- C. Designations for common control functions and indicators.  Yes  No  N/A
- D. Cabinet, plug-in components and modules securely in place.  Yes  No  N/A
- E. Plug-in cables securely in place.  Yes  No  N/A
- F. Record the date, revision and version of firmware and software. Date: \_\_\_\_\_ Rev: \_\_\_\_\_ Ver: \_\_\_\_\_
- G. Cleanliness.  Yes  No  N/A
- H. Fuses in accordance with manufacturer's specifications.  Yes  No  N/A
- I. Control unit lock.  Yes  No  N/A
- J. Termination points from wiring to field devices secure.  Yes  No  N/A

### Control Unit Test Record

- A. Power 'ON' visual indicator.  Yes  No  N/A
  - B. Common visual trouble signal.  Yes  No  N/A
  - C. Common audible trouble signal.  Yes  No  N/A
  - D. Trouble signal silence switch.  Yes  No  N/A
  - E. Main power supply failure trouble signal.  Yes  No  N/A
  - F. Ground fault (tested on positive and negative) trouble signal.  Yes  No  N/A
  - G. Alert signal operation.  Yes  No  N/A
  - H. Alarm signal operation.  Yes  No  N/A
  - I. Automatic transfer from alert signal to alarm signal.  Yes  No  N/A
  - J. Acknowledge switch operation.  Yes  No  N/A
  - K. Alarm signal silence inhibit.  Yes  No  N/A
  - L. Alarm signal silence operation.  Yes  No  N/A
  - M. Alarm signal silence visual indicator.  Yes  No  N/A
  - N. Alarm signal, when silenced, automatically reinitiates upon subsequent alarm.  Yes  No  N/A
  - O. Alarm signal silence automatic cutout timer.  Yes  No  N/A
- Time: \_\_\_\_\_ min.  N/A
- P. Input circuit, alarm and supervisory operation including visual indicator.  Yes  No  N/A
  - Q. Input circuit trouble operation.  Yes  No  N/A
  - R. Output circuit alarm operation.  Yes  No  N/A
  - S. Output circuit trouble operation.  Yes  No  N/A
  - T. Visual indicator test (lamp test).  Yes  No  N/A
  - U. Coded signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter.  Yes  No  N/A
  - V. Coded signal sequences are not interrupted by subsequent alarm.  Yes  No  N/A
  - W. Input circuit to output circuit operation, including ancillary device circuits, for correct matrix operation, as per design and specification.  Yes  No  N/A
  - X. Reset operation.  Yes  No  N/A
  - Y. Main power supply to emergency power supply transfer.  Yes  No  N/A
  - Z. Data communication link (DCL) supervision and operation.  Yes  No  N/A
  - AA. Control unit interconnection to monitoring station.  Yes  No  N/A

### Power Supply Inspection

- A. Fused in accordance with manufacturer's marked rating of the system.  Yes  No  N/A
- B. Adequate to meet the requirements of the system.  Yes  No  N/A

### Battery Test and Inspection

- A. Correct battery type as recommended by manufacturer.  Yes  No  N/A
- B. Correct rating as determined by battery calculations based on full system load.  Yes  No  N/A
- C. Battery voltage main power 'ON' is: \_\_\_\_\_ V dc
- D. Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition.  
Voltage: \_\_\_\_\_ V dc  
Current: \_\_\_\_\_ mA
- E. Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition.  
Voltage: \_\_\_\_\_ V dc  
Current: \_\_\_\_\_ mA
- F. Charging current is: \_\_\_\_\_ mA
- G. Inspected for physical damage.  Yes  No  N/A
- H. Terminals cleaned and lubricated.  Yes  No  N/A
- I. Terminals clamped tightly.  Yes  No  N/A
- J. Correct electrolyte level.  Yes  No  N/A
- K. Specific gravity of electrolyte within manufacturer's specifications.  Yes  No  N/A
- L. Electrolyte leaks.  Yes  No  N/A
- M. Adequately ventilated.  Yes  No  N/A
- N. Within manufacturer's rated life date code.  Yes  No  N/A
- O. Disconnection causes trouble signal.  Yes  No  N/A
- P. Battery Type: \_\_\_\_\_

### Technician's After-Test Checklist

- A. Reconnect ancillary functions  Yes  No  N/A
- B. Reconnect central station  Yes  No  N/A
- C. Reconnect solenoids, actuators and squibs  Yes  No  N/A
- D. Reconnect signal power  Yes  No
- E. Advise building management that work has been completed  Yes  No  N/A
- F. Ensure that the alarm system is functional  Yes  No  N/A

