



Providing Peace of Mind For All Alaskans
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Fire Sprinkler System Types



- System Types
- Signals and Events
- Maintenance and Troubleshooting



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Fire Sprinkler System Types

System Types:

- Wet Pipe System
- Dry Pipe System
- Pre-Action/Deluge



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Fire Sprinkler System Types

System Types:

- Wet Pipe
- Grid
- Tree
- Loop
- Anti-Freeze



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Fire Sprinkler System Types

System Types:

- Dry Type
 - Most Common Types
 - DPV 1
 - Model D
 - F-3021
 - S/768
 - Reliable EX
 - Pancake



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Fire Sprinkler System Types

System Types:

- Pre-Action/Deluge

- S-768
- DV-5A
- DDX
- Model H
- Pancake



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Fire Sprinkler System Types

- Notification

- Bell Only
- Combination Bell and Dialer
- Fire Alarm System integration



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Fire Sprinkler System Types

Signal Types:

- Alarm
- Supervisory
- Trouble

- Important to distinguish between signal types
- Distinct indicators at panel, usually different flash/beep patterns and LED colors
- Alarm most serious - building may be on fire or significant threat of fire
- Supervisory intend to warn of potentially significant issues with system usually with sprinkler or special hazards systems
- Trouble used to alert of off normal conditions

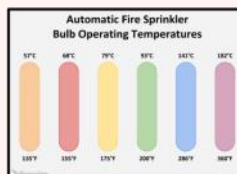


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Fire Sprinkler System Types

Head Types:

- Standard Response
- Quick Response
- Fusible Link
- Glass Bulb Type





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Fire Sprinkler System Types

Signal Types:

- **Supervisory**

- Indicates potentially serious life safety system impairments or conditions
- Primarily used to monitor critical sprinkler and special hazards points
- Typical supervisory points are: Tamper and OS/Y valves, Low air, Low water, Low temperature, Pump running, Pump power fail, and Power phase reversal
- These signals need immediate response



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Fire Sprinkler System Types

Common Issues:

- Leaks- Patch/Repair
- Cold Weather- Freeze Breaks
 - Low Point drains on dry systems
 - Structural repairs/insulation
- Low Air
 - Most imperative
- Power Failure/Heat Loss
 - Imminent Freeze
 - Drain System
 - Report to proper AHJ



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QUESTIONS?