

Notes:

- > This is a typical schematic, not an 'as-wired' drawing.
- > Wire all devices from a dedicated life safety power supply.
- > Network cable length, device numbers and addressing to the control panel manufacturer's network rules.
- > Each damper is powered from a local supply to match the actuator voltage: 24 Vac, 120 Vac or 230 Vac (fused spur).
- > Addressable field modules are third-party, by others. Wire to their manufacturer's data.
- > Power to the actuator drives the damper open. Loss of power spring-closes the damper.
- > Wire to local codes and Honeywell data 63-2740. Use cable rated for at least 75 °C (167 °F).

Cable Specification

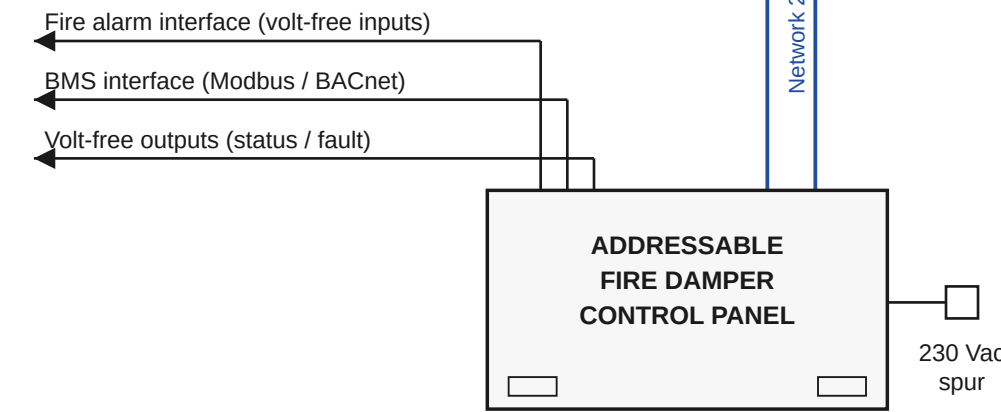
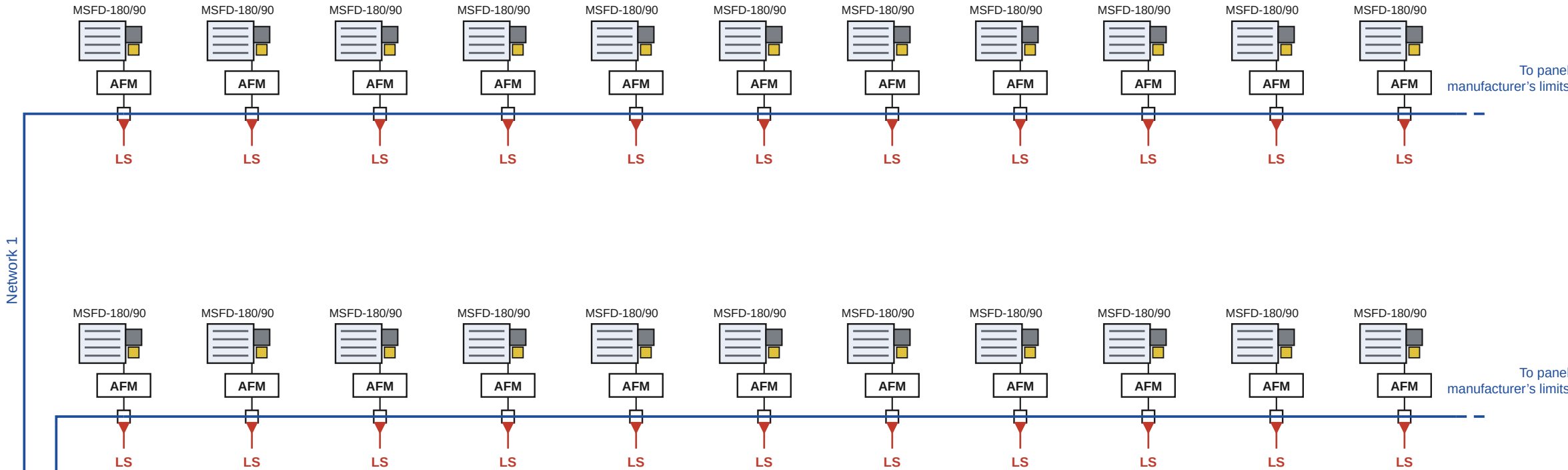
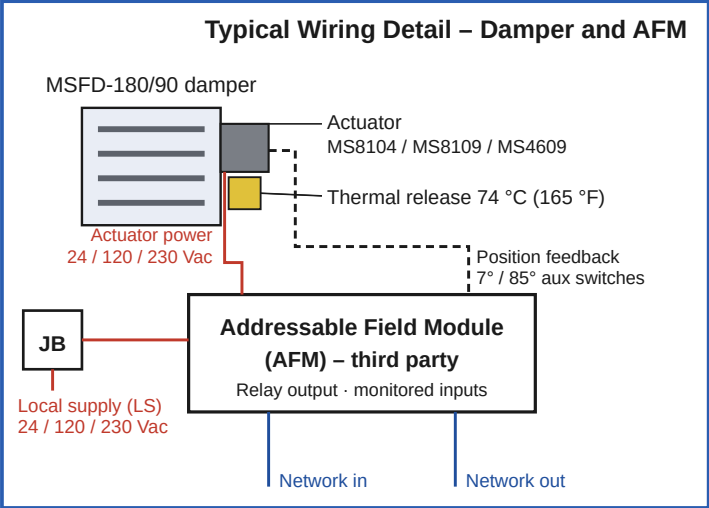
Network cable
2-core screened cable to the control panel manufacturer's specification.

Fire-rated cable (life safety circuits)
Enhanced fire-resistant 2-core screened cable, 1.5 mm², to the project fire strategy and local codes.

Power and switch wiring
2-core L&N local supply to each damper JB; switch leads 18 AWG (0.8 mm²), rated for at least 75 °C (167 °F).

Legend

- Network (addressable loop)
- Damper power (L&N)
- Junction box (JB)
- FlameSafe MSFD-180/90 damper
- LS Local damper supply (24, 120 or 230 Vac)
- AFM Addressable field module (third party, by others)



Typical system:
FlameSafe MSFD-180/90 fire and smoke dampers
Honeywell spring-return actuators: MS8104 / MS8109 (24 Vac), 120 Vac models or MS4609 (230 Vac)
One third-party addressable field module (AFM) per damper
Each damper powered from a local supply (LS)
2No networks to the panel



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