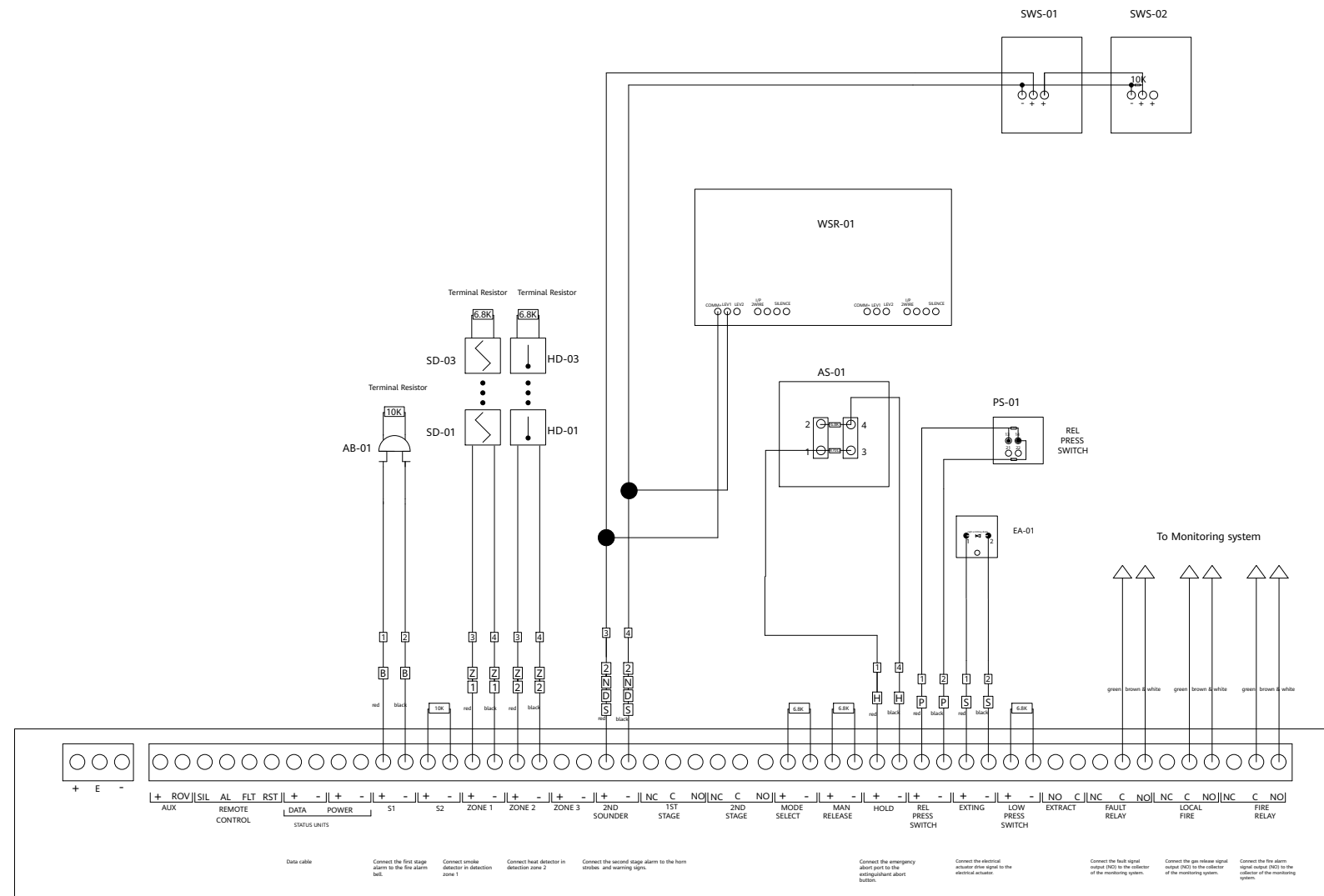


NO.F002 Fire Extinguishing System Conceptual Diagram - 1



Technical requirements:

1. All fire extinguishing signal cables are red (BOM number: 25033402-005) and black (BOM number: 25033402) cables ; The red cable is positive and the black cable is negative. The pneumatic switch, Warning signs, and fire alarm bell each has two wiring terminals that connect to two wires. The fire alarm bell is polarity insensitive. For details, see the diagram.
2. Connect the Smoke Detector, Heat Detector, Horn Storbes, Fire Alarm Bell and Start/Stop Button to the UT terminal (14170025). Cord end terminals (14170214) are used to connect other fire devices and extinguishing control panels host terminals.
3. Connect a 10K terminal resistor to each of the last the fire alarm sounder and fire alarm horn/strobe in parallel.
4. Connect cables to the smoke detector and heat detector by referring to the diagram. Connect a 6.8 K terminal resistor to the last smoke and heat detectors in parallel.
5. Connect the emergency abort button and pneumatic switch to a 6.8 K terminal resistor in parallel, and to a 470 ohm resistor in serial. Connect an electrical actuator to a 1N4004 diode in parallel.
6. Alarm signals are reported to the monitoring system over shielded straight-through network cables. The connection definitions are as follows: LOCAL FIRE, FIRE RELAY, and FAULT RELAY. The signal cables connect to the ECC over dry contacts.
7. Attach cable labels to all cables connected to the extinguishant control panel and wiring terminals on electrical actuators and pneumatic switches. See the label table for the label content. Cable direction labels must be arranged neatly in the same direction. Cables must be bound neatly, with cable ties in the same direction. (Labels are printed on label paper with the BOM number 29041061, attached on cable ties with the BOM number 21200708, and bound to corresponding cables.)

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