

The diagram illustrates the internal wiring and terminal connections of the Fire Alarm Control Panel (FACP). It is divided into several functional sections:

- Power and Grounding:** Shows connections for LINE, NEUTRAL, and EARTH GROUND. It includes a 120VAC-40VAC 50/60 HZ transformer, a 15W 14WG or HEAVIER GAUGE WIRE WITH 600V INSULATION, a Fuse (4A-250VAC Time Lag), and a P-Comm terminal.
- Panel Inputs (Initiating Circuits):** Details connections for ZONE 1 through ZONE 7, including EOLR (End-of-Line Resistor) and DETECTORS. It also shows connections for HEAT OR SMOKE DETECTORS and ZONE 5 & 6 ONLY.
- Panel Outputs (Indicating Circuits):** Shows connections for TROUBLE, ALARM, and SUPV (Supervisory) conditions, including COM (Common) and NC (Normally Closed) terminals. It also includes a WTRFL (Waterflow) RELEASE terminal.
- Internal Components:** Includes a PROGRAM #20 FIRMWARE 3.01, a BATT (Battery) terminal, and a BATTERY CABLE OBSERVE POLARITY (RED = BLACK -).
- Terminal Connections:** Shows connections for POS (Positive) and NEG (Negative) terminals, and a BATT terminal.
- Legend:** Defines symbols for N.O. (Normally Open) Initiating Device, Notification Appliance, Solenoid, and End-of-Line Diode Appliance.