

S1000 Architects & Engineers Specifications

The fire alarm control system shall be a microprocessor controlled Series 1000 as manufactured by SAFETECH™ International, Inc.

The system shall contain a fire alarm control panel to supervise and operate manual and/or automatic actuation devices such as manual pull stations, heat and smoke detection devices, flame detection devices, gas detection devices, automatic fire sprinkler waterflow alarm and supervisory devices, as specified on the drawings. There shall be up to twenty programmable initiating zones. Detection may be either two- or four-wire devices and shall be UL listed for the purpose for which they are used for compatibility with the control panel and meeting the requirements of NFPA 72. All initiating zones shall be programmable for alarm verification, water flow alarm and be mappable to any signaling circuit. Supervisory alarms shall be annunciated on the display and by the trouble buzzer.

The system shall supervise and operate notification appliances such as audible devices, strobe lights and visual annunciators. There shall be two supervised alarm signaling circuits which shall be programmable by initiating zone for continuous tone, two march time cadences or temporal code. The panel shall provide distinct and separate audible and visual indication of alarm, trouble and supervisory conditions. The panel sounder shall resound should a subsequent trouble or supervisory condition occur. The panel shall resound the signal circuits should a subsequent alarm condition occur. The signal circuits shall be individually silenceable from the panel keypad.

All programming shall be accomplished from the keypad mounted on the front of the panel. Annunciation of all alarm, trouble and supervisory conditions showing the zone number and type of condition shall be through the LED display on the panel front. The panel display shall be visible through a window in the cabinet door.

Programming and display codes shall be displayed on the interior of the cabinet door. The panel shall offer networking (optional modules may be needed), one person walktest, built-in diagnostics and battery backed event log (plus models). The control shall be equipped with programmable Form C alarm and trouble relays and offer the capacity for two programmable auxiliary relays with the option of adding two relays per zone. The relays shall maintain contact until cleared. All relays shall be rated at 10 amps. 24VDC auxiliary power shall be available through two outputs individually programmable to reset or not reset when the panel is reset.

