**Product**
Conventional Zone Interface Intelligent Module

**Architect and Engineering Specifications**
Conventional zone interface intelligent module shall be a System Sensor model number M502M.
Addressable zone interface modules shall allow intelligent panels to interface and monitor 2-wire conventional smoke detectors. All 2-wire detectors being monitored must be UL or ULC compatible with the module. The module shall transmit the status of one zone of 2-wire detectors to the fire alarm control panel. Status conditions shall be reported as normal, open or alarm. The module shall supervise the zone of detectors and the connection of the external power supply. The module shall provide terminal connections for a resettable external supply voltage to provide power to the initiating device circuit (IDC) or zone of two-wire smoke detectors. Module shall have ability to signal faults related to open circuit or no power supply connected.

The modules shall provide address-setting means on the module using rotary switches. Because of the possibility of installation error, systems that use binary jumpers or DIP switches to set the module address are not acceptable. The modules shall also store an internal identifying code that the control panel shall use to identify the type of module. Systems that require a special programmer to set the module address (including temporary connection at the panel) are labor intensive and not acceptable. Each module occupies any one of at least 99 possible addresses on the signaling line circuit (SLC) loop. It responds to regular polls from the system and reports its type and status.

The module shall have an LED that is controlled by the panel to indicate module status. Coded signals, transmitted from the panel, can cause the LED to blink, latch on, or latch off. Refer to the control panel technical documentation for module LED status operation.

The module shall mount in a standard 4-inch square, 2-1/8” deep electrical box or to a surface mounted backbox. The IDC (zone) shall be wired for Class A (Style D) or Class B (Style B) operation. The module will use SEMS screws for easy wiring. Wiring terminals shall be easily accessible for troubleshooting while installed.

**Meets Agency Standards**
- ANSI/ UL 864- Control Units and Accessories for Fire Alarm Systems
- ULC S527- Control Units for Fire Alarm Systems