Product:
Intelligent Two Input and Two Output Module

Architect and Engineering Specifications:
Intelligent two input and two output module shall be a System Sensor model number. Addressable two input and two output modules shall allow a compatible control panel to switch discrete contacts by code command. The module shall provide two isolated sets of Form-C contacts, which operate as a single pole double throw switch. The module shall allow the control panel to switch these contacts on command. The module shall not provide supervision for the notification appliance circuit (NAC). Module shall have both normally open and normally closed connections available for field wiring. Two input modules shall connect two supervised initiating device circuit (IDC) or zone of conventional alarm initiating devices (any normally open dry contact device) to the fire alarm control panel signaling line circuit (SLC) Loop.

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 dipswitches 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 two to four of at least 99 possible addresses on the SLC loop. It responds to regular polls from the system and reports its type and status.

The module shall have four LEDs that are controlled by the panel to indicate status of each input and output. 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 relay module contact ratings shall support up to 2 amps/ 30VDC (coded) of resistive load (up to 3 amps in non-coded applications). The relay coil shall be magnetically latched to reduce wiring connection requirements and to insure that 100% of all auxiliary relays or may be energized at the same time on the same pair of wires. The IDC (zone) shall be wired for Class B (Style B) only 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