

Features

ZAMs provide an addressable interface to conventional fire alarm zone circuit devices including:

- Notification appliance circuits (Signal ZAM)
- Control relays (Control ZAM)

These ZAMs are compatible with the following Autocall fire alarm control panels:

- 4100ES Series fire alarm control panels
- 4100 Series Universal Transponders

Convenient DIP switch address selection

UL listed to Standard 864

Description

Zone adapter modules (ZAMs)

These provide an addressable interface between conventional zone devices and the host fire alarm control panel.

Signal ZAMs

These supervise and operate 24 VDC notification appliances, speakers, and telephone circuits. Output capacity is up to 2 A @ 24 VDC, or 50 W of 25 VRMS speakers, or up to three simultaneously activated firefighter phones. The signal ZAM is available for either Style Y/Class B or Style Z/Class A operation for notification appliance circuits.

Control ZAMs

These provide addressable control functions such as elevator capture, HVAC control, pressurization fan control, and damper control. The control relay provides a DPDT contact. See Table 3 for more detail.

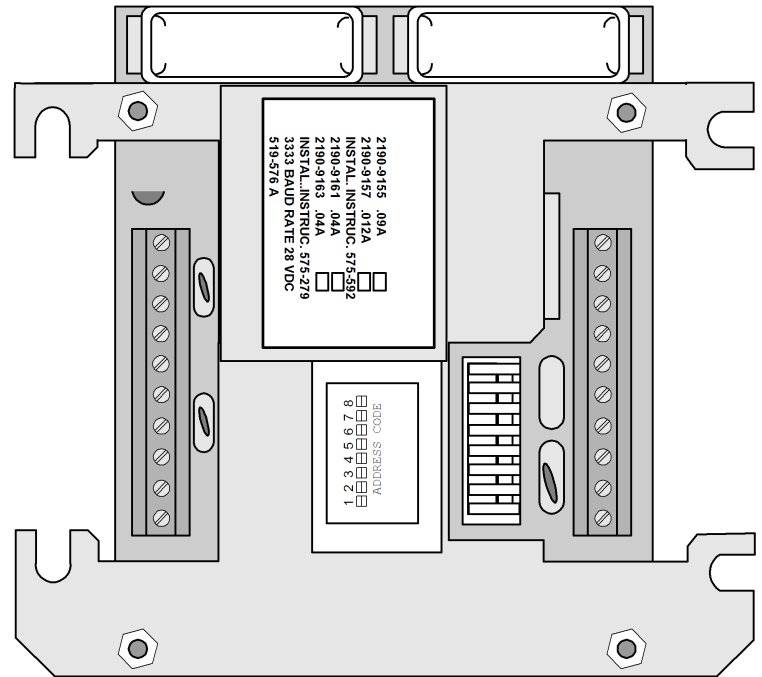


Figure 1: Signal/Control ZAM

* Additional listings may be applicable; contact your local product supplier for the latest status.

Zone Adapter Modules (ZAMs) Addressable Interface to Conventional Circuits

General Specifications

Table 1: General Specifications

General Specifications	
Communications	24 to 40 VDC with data
Power	Separate 24 VDC required from listed fire alarm power supply
Wiring Information	Refer to reference diagrams Signal ZAM Wiring Reference and Control ZAM Reference Wiring Diagram
Wire Connections	Screw terminals for in/out wiring, 18 to 12 AWG wire
Address Means	DIP switch, 8 position
Temperature Range	32° F to 120° F (0° C to 49° C) intended for indoor operation
Humidity Range	Up to 85% RH at 86° F (30° C)

Product Selection

Table 2: Zone Adapter Modules, Signal and Control ZAMs (separate 24VDC power is required)

SKU	Cover Type	Description	Supervisory Current	Alarm Current
A2190-9161	Surface	Signal ZAM, Class B (Style Y)	15 mA @ 24 VDC	40 mA @ 24 VDC

Control ZAM Relay Ratings (DPDT Contacts)

Table 3: Control ZAM Relay Ratings (DPDT Contacts)

Application	Resistive Rating	Inductive Rating**
Power Limited*	2 A @ 28 VDC	1 A @ 28 VDC
Non-Power Limited	2 A @ 28 VDC	1 A @ 28 VDC
	1/2 A @ 120 VAC	1/2 A @ 120 VAC
* DC Voltage must be from a listed Fire Alarm power supply.		
** Inductive loads must be properly suppressed.		

Typical ZAM Mounting

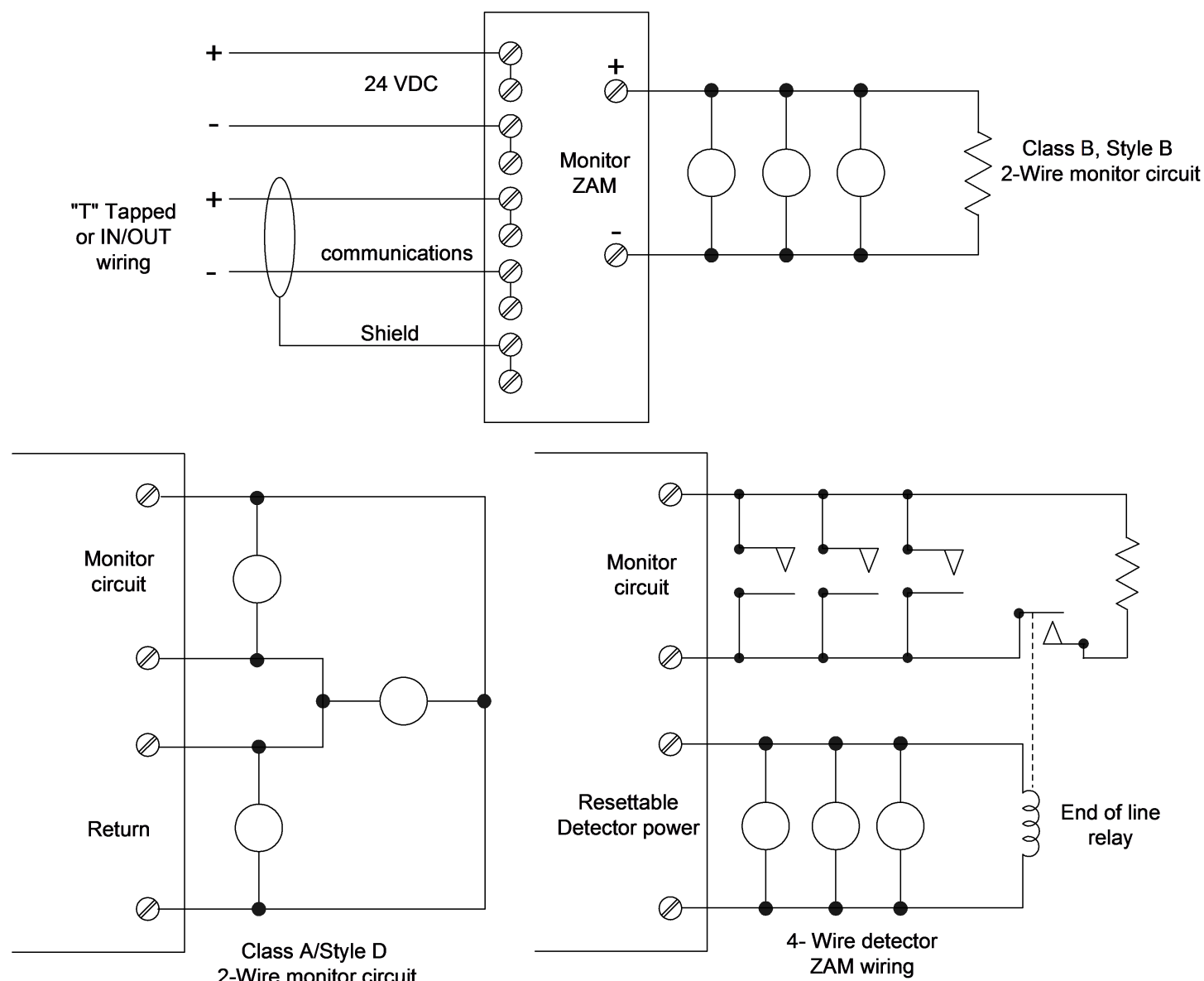


Figure 2: Typical ZAM Mounting

Signal ZAM Wiring Reference

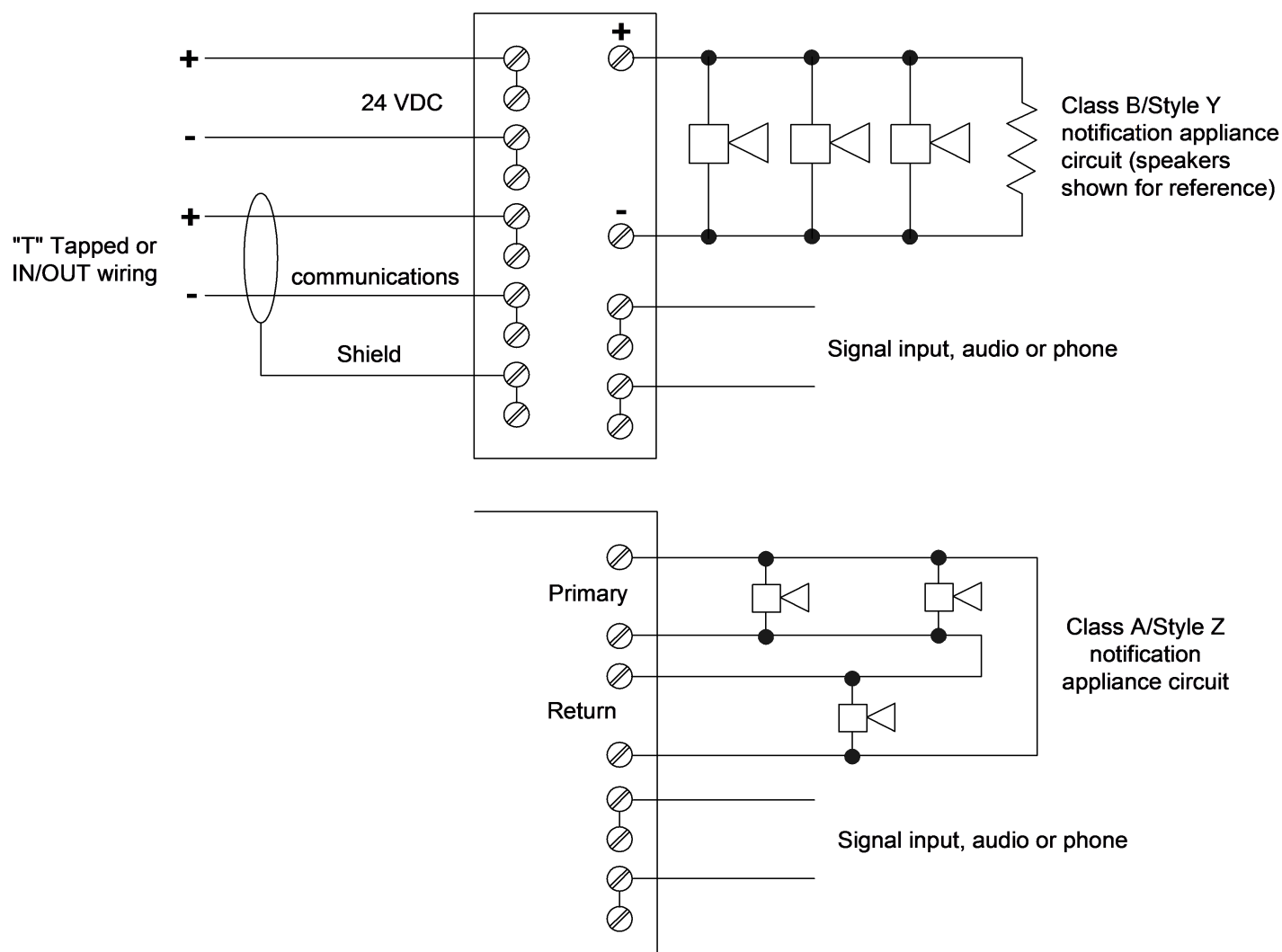


Figure 3: Signal ZAM Wiring Reference

Control ZAM Reference Wiring Diagram

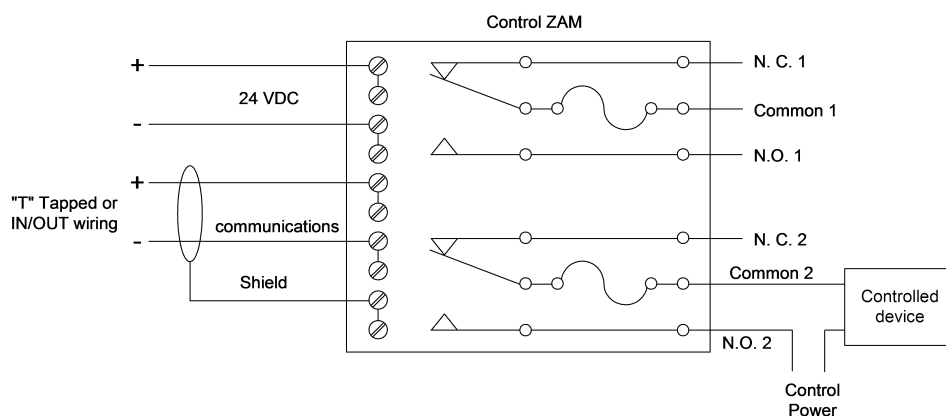


Figure 4: Control ZAM Reference Wiring Diagram