

# ZAS-1 CARD - CLASS A/B FIELD WIRING



**WARNING**

DISCONNECT POWER BEFORE INSTALLING OR REMOVING CARD.

## CM1(N)/CM2(N)(X) FIELD WIRING



TERMINAL*	FUNCTION	NOTE
1	(+) Signal Out	Class A/B (Style 7/4)
2	(-) Signal Out	Class A/B (Style 7/4)
3	Shield	Tie to Ground
4	(+) Signal In	Class A (Style 7) ONLY
5	(-) Signal In	Class A (Style 7) ONLY

\* TB2 for card installed in P5; TB4 for card installed in P6

## NOTES

1. This block diagram is intended to indicate system features. Additional hardware is required to provide an operational system.
2. ZAS-1 circuits have limited power available and will NOT support detector operated relays or sounders.
3. A break in either conductor of the Class A ZAS-1 loop return wiring (i.e., between the Monitor Module and the Control Module as shown) will report a Supervisory Open (Trouble) at the first device located after the break (in this case, at the Control Module).
4. A break in either conductor of the Class A ZAS-1 loop return wiring (i.e., after the Monitor Module, the "last" device on the loop as shown) will report a Supervisory Open (Trouble) at the **highest address** on that loop (in this case, at the Monitor Module).

## SPECIFICATIONS



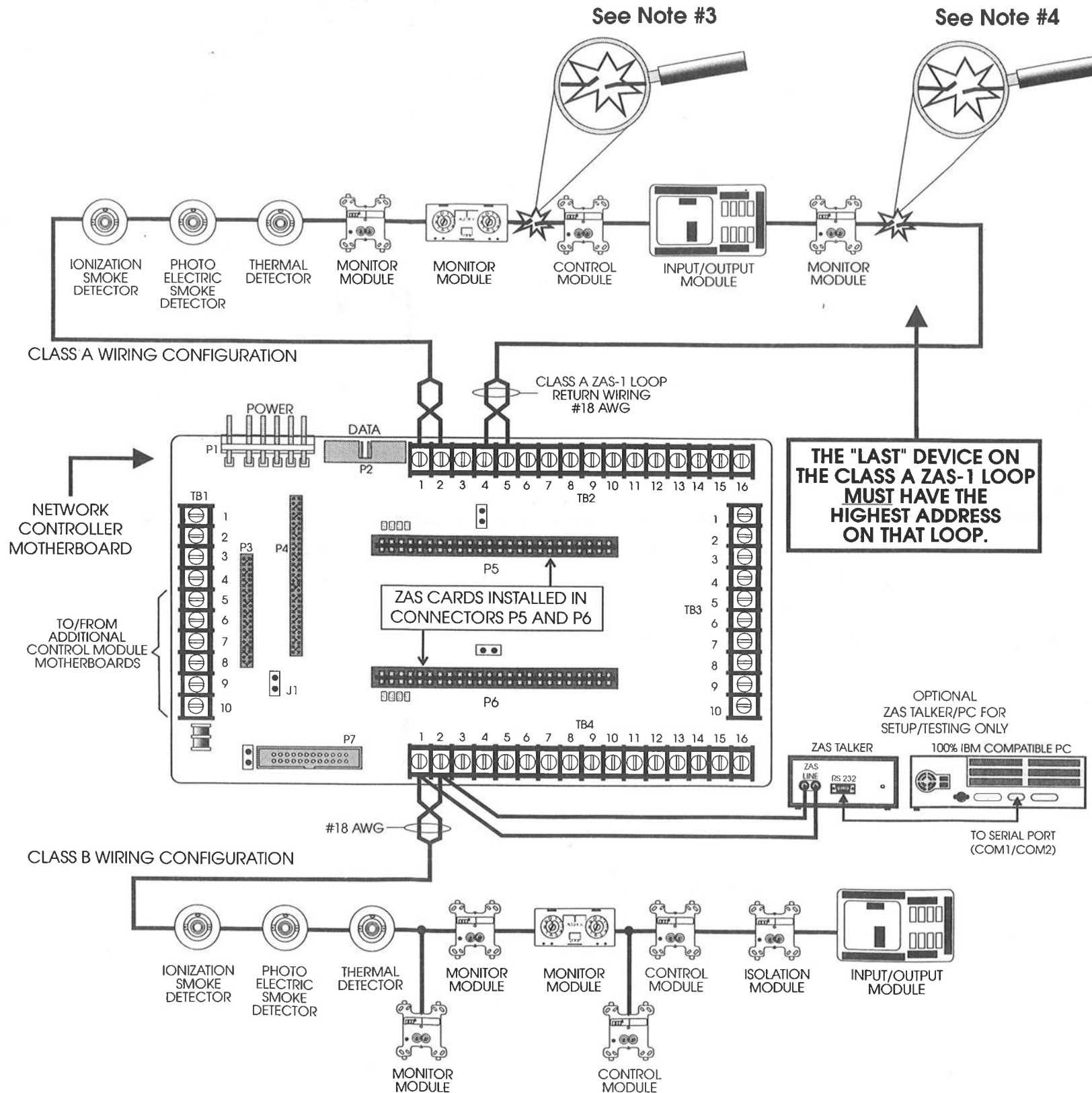
Standby Current	35mA
Allowable Circuit Capacitance	0.2µf Max.
Allowable Circuit Resistance	50Ω Max.
	36Ω when RZB12-6 or UIO-12 used
Address Requirements	2 Panel Addresses



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 SARASOTA, FL. 813-755-4811 Fax: 813-751-6384  
 FARMINGTON, CT. 203-678-0410 Fax: 203-677-1621  
 OWEN SOUND, CANADA 519-376-2430 Fax: 519-376-7258  
 INTERNATIONAL: CANADA 905-678-6767 Fax: 905-678-2872

See Note #3

See Note #4



## PRODUCT INFORMATION



### DESCRIPTION

The ZAS-1 Addressable Analog Interface Card provides an Input/Output port between a system controller and addressable analog sensors/modules. Each ZAS-1 circuit can support up to 96 addressable Sensors and 96 addressable Monitor/Control Modules on a 2-wire multiplexed circuit. A sensor may be an addressable analog ionization smoke detector, photoelectric smoke detector, or electronic thermal detector. Monitor/Control Modules may be configured as monitor (input) and/or control (output) devices, depending on the specific model.



### APPLICATION

The advantage of Analog Addressable Devices over Traditional Non-Addressable Devices is that analog addressable devices have the ability to uniquely identify themselves, thus allowing rapid identification of fire location. When Monitor/Control Modules are used, individual supervised circuit status may be determined and signal circuits or dry contact relays activated.



### JUMPER SET-UP

Prior to operation, jumpers must be set on both the ZAS-1 Card and on the CM1(N) or CM2(N)(X) motherboard. The ZAS-1 Card contains a jumper (located near the microprocessor) which must be **installed** for Class A (Style 7) operation, and **removed** for Class B (Style 4) operation.

On the motherboard, jumper J3 must be **removed** if a ZAS-1 Card is installed in slot P5. Jumper J4 must be **removed** if a ZAS-1 Card is installed in slot P6.



### PROGRAM NOTES

1. The "last" device on a Class A ZAS-1 loop **MUST** be assigned the highest device address on that loop.
2. Each ZAS-1 Card requires two(2) panel addresses.
3. ZAS-1 Card(s) **MUST** be removed from the CM1(N)/CM2(N)(X) motherboard prior to the *initial* download of data.  
If you accidentally downloaded your program with the ZAS-1 Card(s) installed, remove power from the panel, remove the ZAS-1 Card(s), restore power, and repeat the download process.
4. Once the download process has been correctly performed, remove power and install the ZAS-1 Card(s). Restore power and continue the startup process.

## INSTALLATION INSTRUCTIONS



### WARNING

**DISCONNECT POWER BEFORE REMOVING OR INSTALLING CARD.**



### CAUTION

**ZAS-1 Card(s) MUST be removed from the CM1(N)/CM2(N)(X) motherboard prior to the initial download of data.**



### INSTALLATION NOTES

The ZAS-1 Card contains no terminal blocks and accepts no direct wiring connections. The card simply slides into an option slot (P5 or P6) on the CM1(N)/CM2(N)(X) motherboard via a card-edge connector, **in accordance with the following rule:**

When the ZAS-1 Card is mixed with a traditional non-addressable card (e.g., ZB8-8) on the same controller motherboard, the addressable (ZAS-1) card **MUST** be installed in slot P5 (upper slot) on the motherboard. The non-addressable card **MUST** be installed in slot P6 (lower slot).

## ZAS-1 CARD JUMPER SETUP



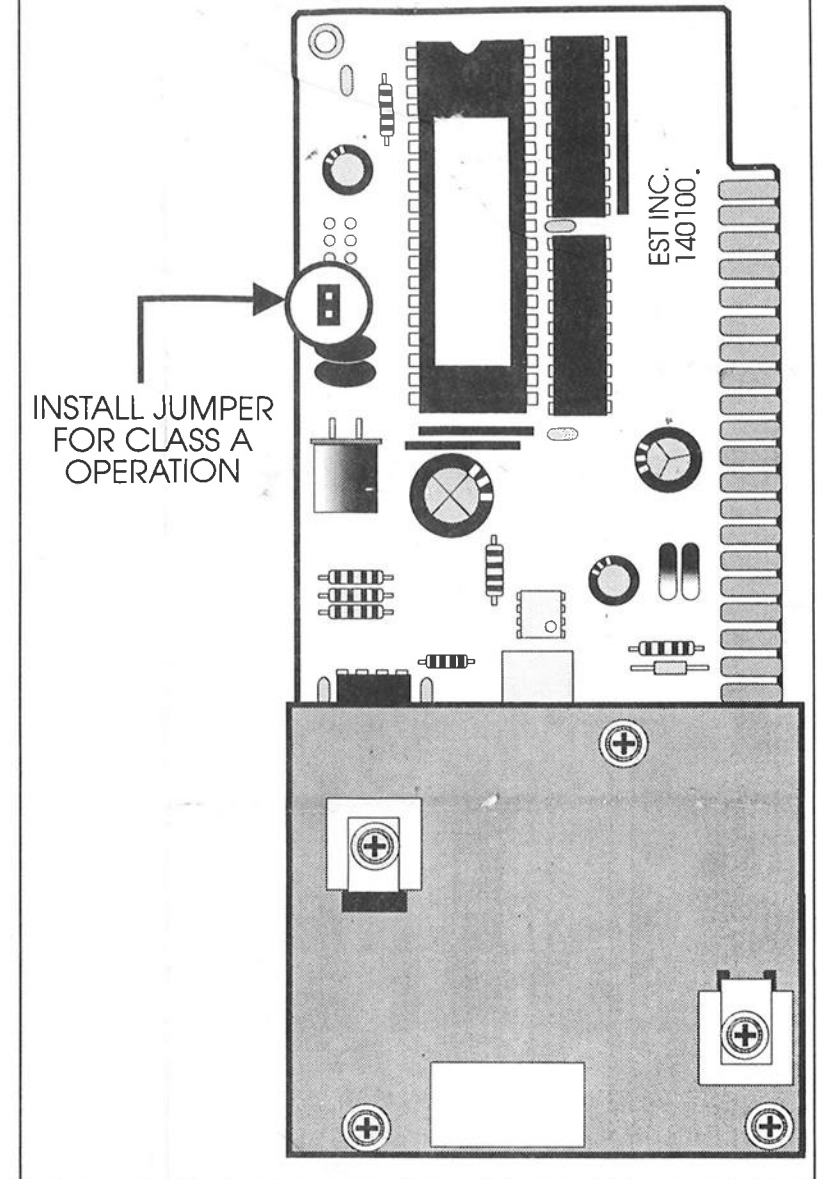
WIRING CLASS (STYLE)	POSITION OF CLASS A JUMPER
Class A (Style 7)	Installed
Class B (Style 4)	Removed

## CM1(N)/CM2(N)(X) JUMPER SETUP



ZAS-1 CARD INSTALLED IN SLOT	REMOVE CONTINUITY JUMPER
P5	J3
P6	J4

## ZAS-1 CARD



INSTALLATION SHEET:  
**ZAS-1 ADDRESSABLE  
ANALOG INTERFACE CARD**

DRAWING PART NO.: 270137

REVISION LEVEL: 0

DATE: 1/19/94 FILE NAME: ZAS1-1/2.CDR

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