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PARADOX ZX82 8 Zone Input Expansion Module



Specifications:

- **Product Name:** ZX82 8-Zone Input Expansion Module
- **Installation Manual Version:** V1.20 and higher
- **Compatibility:** Works with Paradox panels – EVO, Spectra, or MG
- **Features:** 8 zones input expansion, Zone Status LED indicators, Power and Data connectivity

Product Usage Instructions

Connections:

Connect the bus terminals of the module to the corresponding terminals on the control panel. Follow specific instructions for EVO and MG/SP panels.

Programming for EVO:

1. Enter section [4003].
2. Enter the module serial number.
3. Enter the module section number.

Input Speed Configuration:

- Base Time Selection: Configure input speed for even-numbered sections using [002]-[016] settings.
- Time Value: Set time values for odd-numbered sections using [003]-[017] settings.

EOL/ATZ Configuration:

Adjust Zone Input Options in section 401 based on your requirements. Individual settings can be customized as per needs.

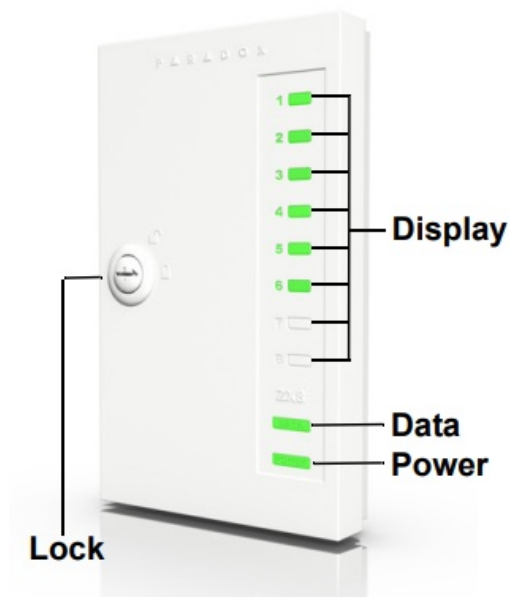
LED Indicators:

Understand the LED indications for power, zone status, data exchange, and tamper detection.

EOL Resistor Value Selection:

Set the EOL resistor values for different zones using the options provided in section 402.

PRODUCT OVERVIEW



Introduction

The ZX82, 8-zone Expansion Module, provides 8 zones input expansion to Paradox panels; connects on the keypad bus of EVO, Spectra, or MG panels. The ZX82 comes with its own tamper-proof enclosure and provides Zone Status LED indicators as well as Power and Data.

Compatibility

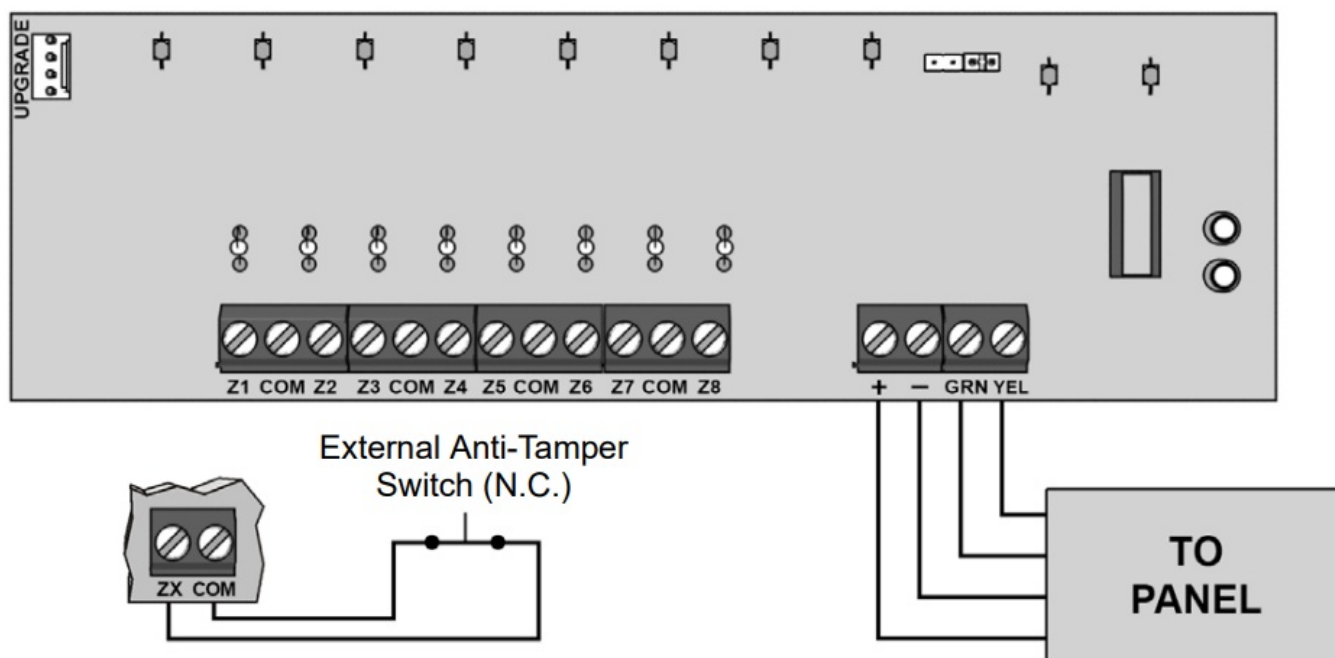
- All Paradox control panels v6.80 or higher
- BabyWare v5.1 and higher
- Infield v5.1 and higher

Connections

Connect the four bus terminals labeled + – GRN YEL of the module to the corresponding terminals on the control panel as shown.

To enable anti-tamper switch input on EVO, use input terminal Z8 and enable section [001] option [1].

To enable anti-tamper switch input on MG/SP, use input terminal Z1 and enable section [706] option [4] for panel +1, option [5] for panel +9 and option [6] for panel +17.



LED Indicators

LED	OFF	ON
POWER	OFF	OK (10.5V to 16V)
RX / TX	No clock or data exchange	Clock and data OK
ZONE1 to ZONE8*	Zone Closed	Zone Opened / Tamper

ATZ Enabled on EVO		
ZONE1 to ZONE8	Both zones connected to this input are Closed	Any Zone connected to this input is Opened / Tamper

*If control panel has an AC Loss all LEDs are turned off.

PROGRAMMING

Programming EVO

1. Enter section [4003].
2. Enter the eight-digit module serial number.
3. Enter the three-digit module section number.

Module Tamper on Input-8

- Section 001 – Bit 1, 0 = Disabled, 1 = Enabled

Note: If this option is enable the on-board tamper is disabled.

Input Speed (Base Time Selection)*

[002]-[016] Even Numbered

(Default = all inputs @ 600ms)

Even numbered sections represent inputs terminals Z1 to Z8. Using [▼] and [▲] keys. Select a Base Time value from 000 to 002. Press [ENTER].

- 000= Input Speed is X by 15 milliseconds
- 001= Input Speed is X by 1 second
- 002= Input Speed is X by 1 minute

Input Speed (Time Value)*

- [003]-[017] Odd Numbered

Odd-numbered sections represent inputs Z1 to Z8. Enter a 3-digit decimal time value (000 to 255). Multiply by the Input Speed.

* Can only be programmed via a keypad.

EOL/ATZ per Zone Input

Section 401 – Zone Input Options

Zone1 / Zone2	Zone3 / Zone4	Zone5 / Zone6	Zone7 / Zone8
_ / _ (0/0)	_ / _ (0/0)	_ / _ (0/0)	_ / _ (0/0)

Zone Input Options Individual Settings

OPTION	DESCRIPTION
0	System default; zone will follow global panel settings for EOL
1	EOL / ATZ disabled
2	EOL enabled / ATZ disabled
3	EOL disabled / ATZ enabled
4	EOL / ATZ enabled

EOL Resistor Value Selection

Section 402 – Zone Input Options

Zone1 / Zone2	Zone 3 / Zone4	Zone5 / Zone6	Zone7 / Zone8
_ / _ (0/0)	_ / _ (0/0)	_ / _ (0/0)	_ / _ (0/0)

Zone Input Options Individual Settings

OPTION	EOL Value	Zone Value
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0	1K	1K
1	2K2	1K5
2	3K3	3K3
3	4K7	4K7
4	4K7	6K8
5	2K2	4K7
6	8K2	8K2
7	2K2	2K2

Programming MG/SP

1. Enter section [001] – [032].
2. Enter the two-digit zone definition.
3. Assign a partition.
4. Select or deselect zone options.
5. Press Enter.
6. Repeat steps 1 – 5 for remaining zones.

For more information on how to program zones, please refer to the MG/SP Programming Guide.

Module Tamper on Input-1

Section 706 – Panel Programming

Option	Description	Off	ON
4	ZX82 ID A (panel +1) Input 1	Zone input	Tamper input
5	ZX82 ID B (panel + 9) Input 1	Zone input	Tamper input

6	ZX82 ID C (panel + 17) Input 1	Zone input	Tamper input
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Note: If this option is enable the on-board tamper is disabled.

MG/SP Jumper Settings (Panel ATZ Off)

Module # (Jumper)	MG5000	MG5050	SP4000	SP5500	SP6000	SP65	SP7000
+1	3-10	6-13	5-12	6-13	9-16	10-17	17-24
+2	11-18	14-21	13-20	14-21	17-24	18-25	25-32
+3	19-26	22-29	21-28	22-29	25-32	26-32	N/A

MG/SP Jumper Settings (Panel ATZ On)

Module # (Jumper)	MG5000	MG5050	SP4000	SP5500	SP6000	SP65	SP7000
+1	5-12	11-18	9-16	11-18	17-24	19-26	N/A
+9	13-20	19-26	17-24	19-26	25-32	27-32	N/A
+17	21-28	27-32	25-32	27-32	N/A	N/A	N/A

Upgrading Firmware

The ZX82's firmware can be upgraded in Infield via BabyWare using a 307USB Direct Connect Interface.

Technical Specifications

Input Voltage	10.5 to 16 Vdc
Current Consumption	100mA MAX all LEDs On

Number of Inputs	8 standard zone inputs
Operating Temperature	-20 C to +50 C (-4 F to 122 F)
Humidity	95% maximum
Dimensions (H x W x D)	16.5 cm x 10.2 cm x 2.5 cm (6.5 in x 4 in x 1 in)
Certification*	CE, EN 50131-3 Security Grade: 3 Environmental Class: II Certification Body: Applied Test and Certification AS

* Control Panel shall be certified to EN 50131-6 and used as the power supply for the expansion module. If an external power supply is used, it must be certified for EN 50131-6.

The security grade of the ZX82 is dependent on the security grade of the system where it is installed. The maximum security grade is 3.

Warranty

For complete warranty information on this product, please refer to the Limited Warranty Statement which can be found on our website: paradox.com/terms or contact your local distributor. Specifications may change without prior notice.

Patents

US, Canadian and international patents may apply. Paradox is a trademark or registered trademark of Paradox Security Systems (Bahamas) Ltd.

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FAQ

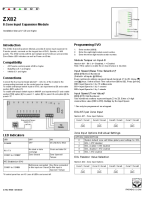
Q: How do I program zones for MG/SP panels?

A: To program zones on MG/SP panels, follow the steps outlined in section [001] – [032] of the manual. Assign zones, select options, and press Enter to save.

Q: What should I do if the LED indicators show an issue during AC Loss?

A: During AC Loss, all LEDs are turned off. Ensure power supply and connections are intact to resolve any LED issues.

Documents / Resources

	PARADOX ZX82 8 Zone Input Expansion Module [pdf] Instruction Manual ZX82, ZX82 8 Zone Input Expansion Module, ZX82, 8 Zone Input Expansion Module, Input Expansion Module, Expansion Module, Module
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References

- [▲ Paradox - Headquarters](#)
- [▲ Paradox - Headquarters](#)
- [User Manual](#)

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8 Zone Input Expansion Module, Expansion Module, Input Expansion Module, Module, Paradox, ZX82, ZX82 8 Zone Input Expansion Module

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