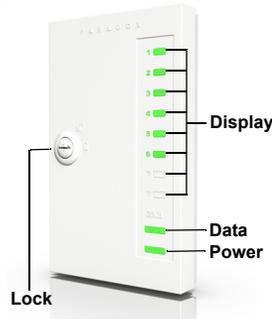


ZX82

8-Zone Input Expansion Module Installation Manual

V1.10 and higher



Introduction

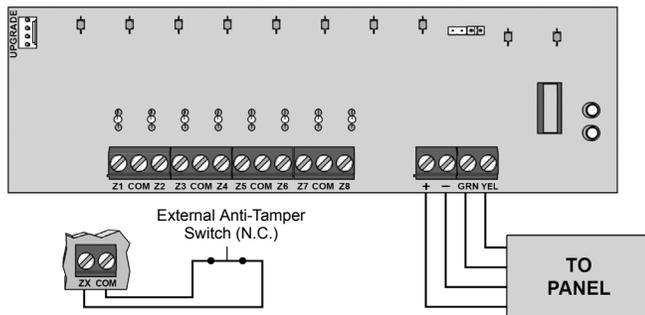
The ZX82, 8-zone Expansion Module, provides 8 zones input expansion to Paradox panels; connects on the keypad bus of EVO, Spectra, or MG panels. The ZX82 comes with its own tamper-proof enclosure and provides Zone Status LED indicators as well as Power and Data.

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.



Upgrading Firmware

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

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.

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: Applicata 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.



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.

EOL/ATZ per Zone Input

Section 401 - Zone Input Options

Zone1 / Zone2	Zone3 / Zone4	Zone5 / Zone6	Zone7 / Zone8
$\frac{-}{(0/0)}$	$\frac{-}{(0/0)}$	$\frac{-}{(0/0)}$	$\frac{-}{(0/0)}$

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
$\frac{-}{(0/0)}$	$\frac{-}{(0/0)}$	$\frac{-}{(0/0)}$	$\frac{-}{(0/0)}$

Zone Input Options Individual Settings

OPTION	EOL Value	Zone Value
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

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

Warranty

For complete warranty information on this product, please refer to the Limited Warranty Statement found on 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.