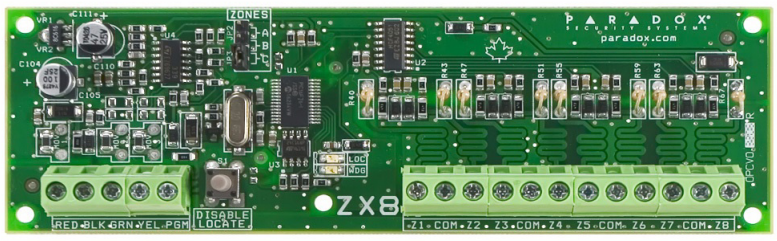
ZX8-TI03

8-Zone Expansion Modules
ZX8
V6.0



Instructions / Instrucciones

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The 8-zone Expansion Module (ZX8) is an interface between the control panels and any hardwired detection devices. The ZX8 connects to the control panel's combus to provide eight additional hardwired inputs and one 50mA on-board PGM output.

Specifications

Input voltage:	Typically 12 to 16 Vdc
Current cons.:	*28mA*
Max.# of ZX8:	*max.3: MG/SP Series*
No. of outputs:	*One 50mA PGM*
No. of inputs:	*8 inputs*
No. of zones:	*8 standard zone inputs*
Oper. temperature:	*-20ºC to 50ºC (-4ºF to 122ºF)**
Compatibility:	*Any Digiplex or Digiplex EVO series control panel* *Any SP Series control panel (V2.0 or higher)* *MG5000/MG5050 control panels (V2.0 or higher)* *WinLoad Software V2.03 or higher* ***NOTE:** For 1728/1738 compatibility, refer to the SP-ZX8 instructions.*

Installation

Connect the module as shown in Figure 1.

Figure 1: ZX8 Connections

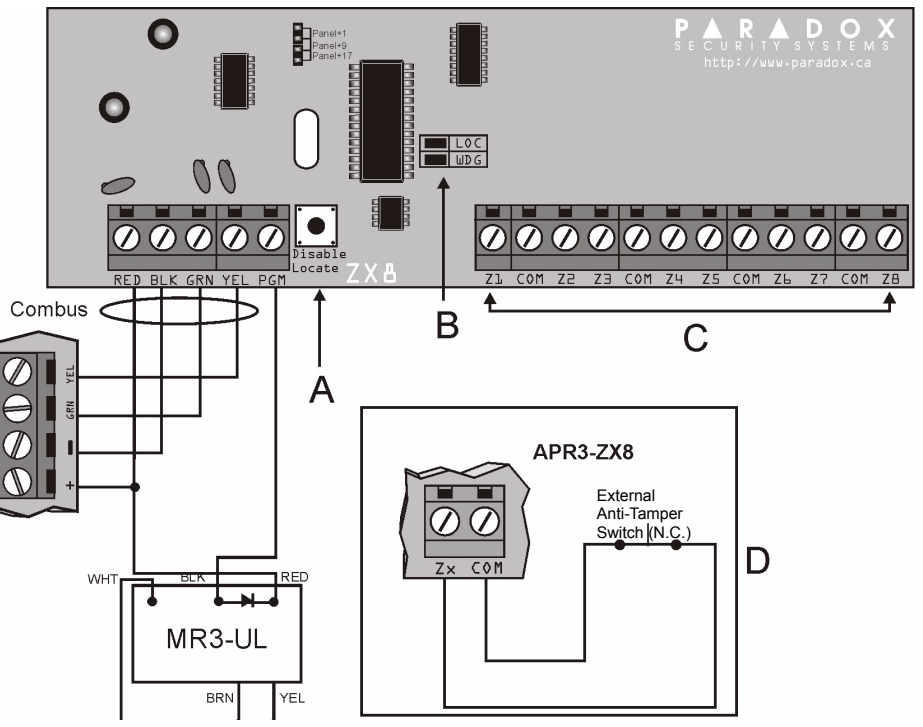


Table 1: Jumper Setting

	MAGELLAN				SP SPECTRA									
	MG5000 (2 on-board zones)		**MG5050** (5 on-board zones)		**SP4000** (4 on-board zones)		**SP5500** (5 on-board zones)		**SP6000** (8 on-board zones)		**SP65** (9 on-board zones)		**SP7000** (16 on-board zones)	
	No/ ATZ ZTA	With/ ATZ ZTA	No/ ATZ ZTA	With/ ATZ ZTA	No/ ATZ ZTA	With/ ATZ ZTA	No/ ATZ ZTA	With/ ATZ ZTA	No/ Sin/Sans ATZ ZTA	With/ Con/Avec ATZ ZTA	No/ Sin/Sans ATZ ZTA	With/ Con/Avec ATZ ZTA	No/ Sin/Sans ATZ ZTA	With/ Con/Avec ATZ ZTA
	zones/		zones/		zones/		zones/		zones/		zones/		zones/z	
A / Panel+1*	3-10	5-12	6-13	11-18	5-12	9-16	6-13	11-18	9-16	17-24	10-17	19-26	17-24	-
B / Panel+9*	11-18	13-20	14-21	19-26	13-20	17-24	14-21	19-26	17-24	25-32	18-25	27-32	25-32	-
C / Panel+17*	19-26	21-28	22-29	27-32	21-28	25-32	22-29	27-32	25-32	-	26-32	-	-	-
*Press “Disable Locate” for 3 seconds to change jumper setting														

Table 2: Illustration

A	**Digiplex +Digiplex EVO** A “Locate” request coming from the control panel can be disabled by pressing the “Disable Locate”. **MG/SP Series** Press the “Disable Locate” for 3 seconds. Fast flash of the green LED occurs. Jumper settings can be changed.
B	**Green “LOC” LED** Digiplex and Digiplex EVO Remains Illuminated during power up Flashes fast to indicate it is receiving a “Locate” request from the control panel. To disable a “Locate” request, press the “Disable Locate” switch. **SP Series and MG5050** Flashes fast to indicate a change in jumper setting. **Red “WDG” LED** All panels Flashes to indicate proper operation If both “LOC” and the “WDG” LED are flashing alternately, the module is experiencing a communication failure with the control panel.
C	Connect the detection devices to the ZX8 input terminals exactly as shown in the appropriate control panel’s *Programming Guide*.
D	**Digiplex y Digiplex EVO** Z8: Input terminal Z8 can be used as an anti-tamper switch input. Enable section [001] option [1] **MG/SP Series** Z1: Input terminal Z1 can be used as an anti-tamper switch input. Enable section [706] option [4] for panel+1, option [5] for panel+9 and option [6] for panel+17

Table 3: Options

DIGIPLEX EVO

Programming Method
1. Hold **[0]** key+ **[INSTALLER CODE]**
2. Enter section **[953]** (DGP-848) **[4003]** (EVO)
3. Enter module's 8-digit **[SERIAL NUMBER]**
4. Enter **[SECTION]** and turn desired option ON/OFF or enter the required data

Sections	Options		
[001]	**[1]** Tamper Recognition	**OFF†** = Disabled	**ON** = Enabled (Z8)
	[2] PGM Deactivation	**OFF†** = Deact. Event	**ON** = PGM timer
	[3] PGM Normal State	**OFF†** = N.O.	**ON** = N.C.
	[4] PGM Base time	**OFF†** = 1 sec.	**ON** = 1 min.

[002]-[016] — Even Numbered

Input Speed (Base Time Selection)
(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.

[003]-[017] — Odd Numbered

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

[018]

PGM Timer
Enter a 3-digit decimal value (001-255). Multiply by the PGM Base Time Selection.

[019] **[020]** **[021]** **[022]**

Activation Event*
__/__/__ Event Group
__/__/__ Feature Group
__/__/__ Start# Set the range within the Feature Group
__/__/__ End# Set the range within the Feature Group

[023] **[024]** **[025]** **[026]**

Deactivation Event*
__/__/__ Event Group
__/__/__ Feature Group
__/__/__ Start# Set the range within the Feature Group
__/__/__ End# Set the range within the Feature Group

[030]

PGM Test Mode
Activate PGM for 8 seconds to verify if the PGM is functioning properly.

[401]

EOL/ATZ Options per Zone Input

Section	Input 1 / Input 2	Input 3 / Input 4	Input 5 / Input 6	Input 7 / Input 8
[0401] Zone Input Options	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)

By default, all options are configured as "0". This means that all zone inputs will follow the global setting at panel section **[3033]**, options 7 and 8. However, if you change the value from 1 to 4, the inputs will follow the desired settings as shown below.:

Zone Input Option Individual Settings

Option	*Description*
0	System default; zone will follow global panel settings for EOL and ATZ set in section **[3033]**, options 7 and 8.
1	No EOL, no ATZ
2	EOL enabled, no ATZ
3	No EOL, ATZ enabled

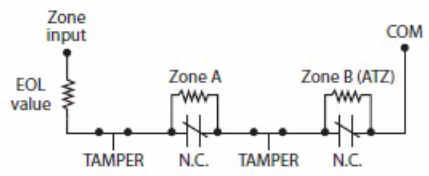
[402]

Selectable Input Resistor for EOL and Contact

Section	Input 1 / Input 2	Input 3 / Input 4	Input 5 / Input 6	Input 7 / Input 8
[0402] Zone Input Options	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)

Zone Input Option Individual Settings

Option	*EOL Value*	*Zone A Value*	*Zone B Value (ATZ)*
0	**1K**	**1K**	**2K2**
1	2K2	1K5	N/A
2	3K3	3K3	N/A
3	4K7	4K7	N/A
4	4K7	6K8	N/A
5	2K2	4K7	N/A
6	8K2	8K2	N/A



†Default Setting / *Only Event Groups 000 to 055 can be used. See PGM Table in the panel's Programming Guide.

SP SPECTRA

Programming Method
1. **[ENTER]** + **[INSTALLER CODE]**
2. Enter **[SECTION]** and turn desired option ON/OFF or enter the required data

[650]	**Tamper Recognition**		
	[1] EOL Zones	**OFF** = No EOL	**ON** = With EOL
	[2] Tamper Recognition	**OFF** = Disabled	**ON** = Enabled (Z1)
	[3] PGM Follows Global PGM	**OFF** = Disabled	**ON** = Enabled
[651]	**Zone Assignment** Enable zone inputs. Options [1] to [8], represent inputs Z1 to Z8.		
[655]	**PGM Timer** __/__/__ 000 - 255 sec. 000 = Follow Deactivation Event.		
[656]	**PGM Activation Event**		
	__/__ Event Group	**[60]** Tamper zone opened	
		[61] Tamper zone closed	
	__/__ Sub-Group	**[1]** to **[8]** Zone input Z1 to Z8	
	__/__ Partition	Not Used: Enter **[00]**	
[657]	**PGM Deactivation Event**		
	__/__ Event Group	**[60]** Tamper zone opened	
		[61] Tamper zone closed	
	__/__ Sub-Group	**[1]** to **[8]** Zone input Z1 to Z8	
	__/__ Partition	Not Used: Enter **[00]**	

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