



# Z14 QUICK START GUIDE





## Z14/R Programming Reference

Whilst the system defaults are sufficient for basic installations, greater versatility can be achieved via the Z14/R programming options. To program the Z14/R you must have a keypad connected and the unit turned on but not firing. For more information about connecting a keypad please refer to the Z14/R Manual.

### Changing the programming options

First you have to enter Programming mode.

Command	Key 1	Key 2	Key 3	Key 4	Key 5	Key 6	Key 7	Key 8	Key 9
Enter Programming Mode	Installer Pin (Default: 012345)						*	0	#

When you have entered Programming mode you can begin to use the following options to configure your Z14/R Security Energiser. Default Values are highlighted in grey.

Command	Key1	Key2	Keys 3 and 4										Key5
Change The Installer PIN 6 Digits	0	0	Enter the new 6 digit Installer PIN										#
High Power Mode Power Level	0	1	00	01	02	03	04	05	06	07	08	09	#
			Output Voltage (kV) Conventional										
			5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	
			Output Voltage (kV) Bi-Polar										
Low Power Mode Power Level	0	2	00	01	02	03	04	05	06	07	08	09	#
			Percentage of High Power Mode Power Level										
			0.5%	1.0%	1.5%	2.0%	2.5%	3.0%	3.5%	4.0%	4.5%	5.0%	
Return Fence Alarm Voltage For High Power Mode	0	3	00	01	02	03	04	05	06	07	08	09	#
			Fence Alarm Voltage (kV) Conventional										
			1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	
			Fence Alarm Voltage (kV) Bi-Polar										
Return Fence Alarm Volt- age For Low Power Mode	0	5	00	01	02	03	04	05	06	07	08	09	#
			300 Volts	500 Volts	700 Volts	900 Volts	1100 Volts						
Bad/Missed Pulse Count Before Alarm Triggers	0	6	00	01	02	03	04	05	06	07	08	09	#
			0	1	2	3	4	5	6	7	8	9	
Battery Alarm Voltage(volts). Alarm Value Shown, Reduced Power is 1V less	0	7	00	01	02	03	04	05	06	07	08	09	#
			9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	
Siren On Time (S=Seconds, M=Minutes)	0	8	00	01	02	03	04	05	06	07	08	09	#
			10S	30S	1M	2M	3M	4M	5M	20M	45M	130M	
Siren Off Time (S=Seconds, M=Minutes)	0	9	00	01	02	03	04	05	06	07	08	09	#
			10S	1M	2M	5M	10M	20M	30M	40M	50M	60M	
Siren Cycles	1	0	00	01	02	03	04	05	06	07	08	09	#
			0	1	2	3	4	5	6	7	8	9	
Input Type	1	1	00					01					#
			Normally Open (NO)					Normally Closed (NC)					
Input 2 Function	1	2	00					01					#
			Gate					Low Power					

Command	Key1	Key2	Keys 3 and 4										Key5
Gate Entry/Exit Delay (S=Seconds, M=Minutes)	1	3	00	01	02	03	04	05	06	07	08	09	#
			0S	30S	1M	2M	3M	4M	5M	6M	7M	8M	
Chime Mode	1	4	01		02		03		04		05		#
			None		Door Chime		Siren		Fence Alarm		Gate Beeps Plus Siren		
Combined Options 1 (add up the options you want. e.g. for Max Power and Limit output: 2 + 4 = 6 Therefore enter 06 for keys 3 and 4)	1	6	+2		+4		+8		+16		+32		#
			Maximum Power at all times		Limits output to 2.5J per Zone		Enables IR Tamper.		Stop slaves on comms fail		Stop Energiser sending alarm memory		
Anti Bridging threshold	1	7	Enter in the percentage difference required to trigger the Anti-Bridging alarm. e.g. if you require a 10% change in return voltage to trigger the alarm, enter 10 for keys 3 and 4										#
Combined Options 2 (like Combined Options 1)	1	8	+1		+2		+4		+8		#		
			Siren Codes (Chirps 1 for armed, twice for disarmed)		Gate Delay Type		4800 baud		9600 baud				
Auto Re-arm Time (S=Seconds, M = Minutes, D=Disabled)	2	0	00	01	02	03	04	05	06	07	08	09	#
			0S	30S	1M	2M	3M	4M	5M	6M	7M	D	
Relay 1	2	1	Options Explained under "1.1.1 Relay Functions" Default is 08										#
Relay 2	2	2	Options Explained under "1.1.1 Relay Functions" Default is 09										#
Relay 3 (Fitted Z14R only)	2	3	Options Explained under "1.1.1 Relay Functions" Default is 00										#
Relay 4 (Fitted Z14R only)	2	4	Options Explained under "1.1.1 Relay Functions" Default is 02										#
Relay 5 (Fitted Z14R only)	2	5	Options Explained under "1.1.1 Relay Functions" Default is 07										#
Group Mode	2	6	00		01		02		etc		15		#
			No Group		Master		Slave 1				Slave 14		
Exit Programming Mode	*	#											

## Relay Functions

The table below is for use for the relay programming options mentioned in the table on the previous page.

Keys 3 and 4	Funtion	Description
00	Fence	Triggers when Zone 1 is Armed and Return Voltage is below the Threshold voltage
01	Fence or Off	Triggers when Zone 1 is Disarmed or Return Voltage is below the Threshold vVoltage
02	Armed	Zone 1 is Armed
06	Fence Bi-Polar	Triggers when energiser is Armed and the Fence Return Voltage on either Bi-Polar return line has fallen below the Threshold Voltage
07	General	Triggers on AC Fail, Tamper, Low Battery/Bad Battery, Gate Alarm or Internal error. Latched (internal errors only)
08	Siren	Triggers on Fence Alarm , Gate or Tamper. Will time out after the Siren Time Out time. Latched
09	Strobe	Triggers on Fence Alarm, Gate or Tamper. Only turns off on Energiser Aisarm. Latched
10	AC Fail	Triggers on AC Fail
11	Low/Bad Battery	Triggers on low or bad battery
12	Tamper	Triggers when the case has been opened and J3 has been fitted (Z14R only)
14	Gate	Triggers on Gate Alarm
15	Siren Caused by Gate	Behaves like siren, only for Gate Alarm
16	Armed - Low Power Mode	Triggers when Armed in Low Power mode
17	Group Armed	Triggers when group is armed. Only configurable on group master.
18	Group general	Triggers on group general alarm. Only configurable on group master.



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