



MICRON SCORPION Z4110C

Alarm Controller

User Instructions

Thank you for choosing to purchase this micron security alarm controller. Micron product is manufactured to exacting quality standards. We understand the importance of designing products that are reliable and easy to use. You can rest secure knowing we have thought of everything to ensure your complete peace of mind.

The Keypad.....	3
The 'Status' (S1) Lamp.....	3
The 'Mains' Lamp	3
The 'Armed' Lamp	3
Two Key Panic.....	3
User Codes.....	3
Adding, Changing or Deleting a user Code	4
Arming the System	4
To Arm the System and Exclude a Zone(s)	5
Disarming the System.....	5
Night Arming Options	5
Remote Arming.....	6
Arming.....	6
Answer Phone Defeat	6
Nitewatch (if connected).....	6
Hold Down Commands.....	7
Follow Me Mode.....	7
Chime Mode	7
24 Hour Zones	7

Using the Scorpion Z4110C Alarm Controller

The Keypad

The Scorpion Z4110C communicates system status through the keypad beeper. During an arming cycle the beeper will sound for the entire exit time. This is a 'leave now' warning. Scorpion will arm at the end of this period. On entry, the beeper sounds for the programmed entry period. If a valid user code is entered to disarm the system, the beeper emits two short tones. An incorrect entry is signalled by one long tone.

The 'Status' (S1) Lamp

The yellow status lamp is used to indicate several conditions.

Yellow lamp on:	the system is armed or arming
Yellow lamp off:	the system is disarmed
Yellow lamp flashing:	an alarm has occurred, a system fault exists or the panic function has been activated

The 'Mains' Lamp

The 'Mains' lamp is on when mains power is applied. In the event of a mains failure the 'Mains' light flashes until mains power is restored and an arm/disarm cycle is completed. The 'Mains' lamp also flashes to indicate a low battery condition. When the battery is restored to full charge and an arm/disarm cycle is completed, the 'Mains' lamp stops flashing.

The 'Armed' Lamp

The 'Armed' lamp illuminates when the system is armed. The 'Armed' lamp also flashes to indicate when an alarm condition has occurred.

Two Key Panic

If this function has been programmed in the Scorpion Z4110C by your installer it may be activated by pressing the keypad * and # keys simultaneously. All internal and external alarms will activate. A panic activation may be cancelled by entering any valid **user code** then #.

In panic situations press  + 

User Codes

Scorpion Z4110C is capable of storing up to twelve user codes. Each user code may be two to four digits in length and each may be used to arm and disarm the system.

User code 11 is factory set as user code **1234** and should be changed to your own selection. User codes 11 and 12 are assigned as **master** user codes. These user codes can be used to program the other ten user codes. Master and non-master user codes operate in exactly the same manner and can arm, disarm and exclude zones.

Adding, Changing or Deleting a user Code

Enter a valid **master user code**, press keys **1+3** together then enter a **new user code** then enter **#** then the **user identifier** (1 to 12). Repeat the procedure for adding other new user codes. To delete user codes, follow the same procedure, but omit the '**new user code**' step. Finish by entering a **#**.

Example. To change user code one to 1912 where 1234 is a master user code, press the following sequence:

①②③④ then ① + ③ then ①⑨①② # then ①

Arming the System

Using Quickarm

If your installer has programmed the **quickarm** option you can arm the system by entering **1** then **#**.

Quick arming Scorpion ① #

Using a User Code

Enter a valid **two**, **three** or **four** digit user code then **#**.

①②③④ then #

If all zones are clear, the keypad sounds a repeating sequence of three short beeps for the duration of the exit delay and the yellow status lamp and red armed lamp turn on. The zone lamps for all zones that are arming are also turned on. At the end of the exit delay the zone lamps extinguish and the system is now armed.

If a zone fault or potential alarm condition exists and the user attempts to arm the system, the lamp(s) for those zone(s) flash and are accompanied by a repeating sequence of long beeps. This indicates that one or more of the zones are faulty or not secured. The panel should be disarmed, the problem located (possible open door or window) and the system re-armed.

To Arm the System and Exclude a Zone(s)

Enter a valid **user code** then * (all zone LED's light) followed by the **zone number(s)** to be excluded (those zone LED's turn off), then press #.

Example: To arm the system with zones 4 and 5 excluded press:

① ② ③ ④ then * then ④ ⑤ then #

Disarming the System

Follow the same sequence as for arming, enter a valid **two, three** or **four** digit user code then #.

① ② ③ ④ then #

The keypad will beep twice and the yellow status light will turn off. A flashing yellow status lamp indicates that one or more zones have been alarmed. The zone lamps for any zones that have alarmed will flash until the next arming cycle. Note the zone number(s) and notify your installer, or security monitoring company.

If the yellow status lamp is flashing and no zone lamps are flashing the condition may have been caused by a system fault, press **8 9** then # on your keypad. The following table indicates the type of alarm condition that has occurred:

Zone 1 lamp flashes	Alarm caused by a nitewatch panic
Zone 2 lamp flashes	Alarm caused by a keypad panic
Zone 3 lamp flashes	The battery has discharged or is faulty
Zone 4 lamp flashes	Mains power to the alarm has failed
Zone 5 lamp flashes	Phone line is faulty or is disconnected

Night Arming Options

You will need to discuss with your installer the configuration of your system's night arming zones, as this is an installer selectable option. It is important that your installer completely familiarises you with how Scorpion arms and alarms in the two 'Night Arming' modes.

Scorpion Z4110C has two night arming options. Night arming offers the user perimeter protection with the freedom to move freely within the areas that would normally be protected by the alarm control. The Z4110C can be night armed with either instant zones, that is zones that arm instantly and alarm instantly, or with delayed zones, zones that arm with a delay or alarm with a delay on entry.

The method of night arming with Delay is used where the system is to be armed at night with the occupants at home, but a member of the family is yet to arrive home and must be able to enter and disarm the alarm system before re-arming in Instant mode.

To night arm your system with instant arming and alarming enter **8 1 #**.

To night arm your system with delayed arming and alarming enter **9 1 #**.

To 'instant' night arm press ⑧ ① # for 'delayed' arming press ⑨ ① #

If night arming with delayed arming and alarming (**9 1 #**) is selected, the alarm control allows an exit period before arming, however the keypad beeper exit alert is **NOT** sounded, except where a zone is not secure (possible door/ window open or sensor activated). At the end of the exit period the keypad beeps three times. Violating a night arm zone starts the entry pre-alert keypad beeper before sounding an alarm. To deactivate the system during the pre-alert, enter a valid **user code** then #.

Remote Arming

Scorpion may be armed by any touch tone phone. This feature must be pre-enabled by the installer.

Arming

From a touch tone phone call the alarm phone number. The installer will have programmed the alarm to answer after 2 to 15 rings. When the alarm answers the incoming call there is a short delay while Scorpion listens for a remote computer modem. When you hear 2 short beeps, hold the **STAR** [*] key down for four seconds. If the access has been successful the user hears the 'leave now' warning beeper indicating that the system is arming. Hang up the phone.

Answer Phone Defeat

If the alarm system phone line is shared with an answer phone or fax and it is proposed to use the 'Remote' arming feature, it will be necessary to advise your installer so that Scorpion may be programmed for answer phone defeat.

To defeat the answer phone, call the alarm system phone number. When the answer phone or fax answers the call, hang up and call again within 60 seconds. Scorpion will answer the call on the first ring thus defeating other devices. Wait for the 2 beep acknowledge and arm the system as detailed above.

Nitewatch (if connected)

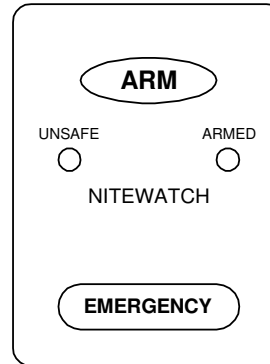
To night arm the system, simply press the '**ARM**' key on the Nitewatch station. press the '**ARM**' key again. Note: If an activation occurs and the sirens are can NOT be disarmed from the Nitewatch station. Once activated and alarmed disarmed by entering a valid **user code** then # at the keypad.

If the '**UNSAFE**' lamp is illuminated, this indicates an unsecured zone. This before arming the system safely in Night mode. The '**ARMED**' lamp system is armed.

Night arming from Nitewatch may be either delayed perimeter arming with pre-arm the system in 'delayed' mode, press the **ARM** button momentarily. At the end of the programmed exit delay, Nitewatch beeps three times and the night arming zones will sound a pre-alert for the programmed entry delay before

To arm the system in 'instant' mode, press the **ARM** key for 2 seconds. Nitewatch beeps and the **ARMED** led lights. The control is now armed and will activate instantly if any night arming zone is violated.

The Nitewatch emergency panic key may be activated **at any time** by using two fingers to press both ends of the **EMERGENCY** key simultaneously. The back light intensity of these keys may be adjusted up and down by pressing the right side of the emergency key to increase the brightness and the left side to decrease brightness. The Nitewatch 'Auto Dim' feature will automatically dim the '**UNSAFE**' and '**ARMED**' lamps 60 seconds after the **ARM** key is pressed.



To disarm the system, activated, the system the system can only be

should be secured illuminates when the

alerts or instant perimeter arming with instant alarms. To Nitewatch beeps once and the **ARMED** led starts flashing. **ARMED** led locks on. The control is now armed and all activation.

Hold Down Commands

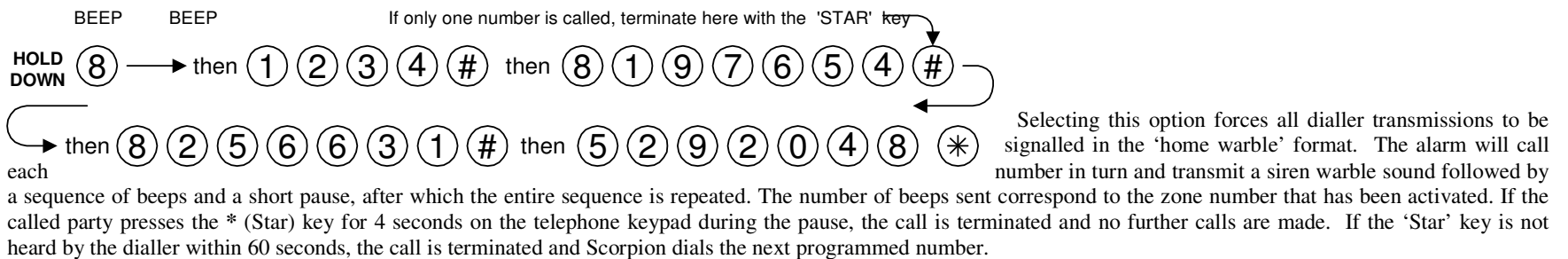
To use a 'hold down' command the function key (keypad digit) must be pressed and held down until a **second key-beep** is heard. Note that hold down commands will only function when the alarm control is fully disarmed. The following hold down command is available:

Follow Me Mode

The installer must enable this feature during installation. Scorpion Z4110C may be programmed by the end user to call one or more phone numbers to report alarms. The called number(s) may be changed at will by entering the following sequence at the keypad:

Press and hold down **key 8** until a **second key-beep** is heard then enter a **master user code** then **#** then the **follow me telephone number(s)** then * (star). Use the # key between numbers if more than one number is to be called. Note: the 'star' key ends this sequence.

Example: Programming the alarm system to call 8197654 then 8256631 then 5292048



Chime Mode

Your installer must program the zones that will be active in chime mode. If this feature is programmed, each time a chime mode sensor is activated while the system is **disarmed** and chime mode is turned on, the keypad beeps for 5 seconds. This is followed by a 30 second silence period before chime mode can be repeated. In this mode Scorpion can act as a door or area minder when the alarm system is disarmed. Chime mode is temporarily disabled each time the alarm system is armed. To turn Chime mode on and off press **7 1** then **#**.

24 Hour Zones

If your installer has fitted a smoke detector(s) to your system, it will be connected to a 24 hour zone, thus ensuring that this device is always active. In the event of an activation or detector malfunction your alarm system will activate. Enter a valid user code at the keypad and all sirens will be silenced. If the activation or malfunction is repeated Scorpion will count the number of activations until the 'shutdown' count of 4 activations has been reached and then shut down the zone, thus preventing further activations. You should immediately contact your alarm service or installation company and report the fault. The system should **NOT** be armed as this will re-set the 'shutdown' counter and allow further activations.

Designed and manufactured by:

Micron Security Products Ltd
P O Box 78-006, Grey Lynn
Auckland, New Zealand
Phone: 64 9 378 6098
Fax: 64 9 378 6454
e-mail: info@micronsecurity.com
www.micronsecurity.com