EXITGUARD EX200 Series Installation Instructions

EX204 Battery powered for use where a separate supply of power is not available, and the protected door is opened infrequently or there is no requirement to sound the sounder for long periods. Can be powered from 12vdc if necessary. (Discard batteries)
EX205 12vdc powered for use where the protected door may be opened frequently, or the integral sounder needs to sound for protracted periods. This version can also be interfaced with other equipment. There are volt free relay contacts to separately signal ON/OFF status and alarm conditions at remote points. Cannot be powered from batteries.
EX206 230vac powered version where the protected door may be opened frequently or the sounder needs to sound for protracted periods. There is a volt free alarm relay contact. This version is supplied with 6 x AA alkaline batteries for standby purposes. **Note:** the batteries will not power the alarm relay.
All versions have keypad control, integral sounder with programmable tones, 5 mode LEDs, a front/back acting tamper switch and a logic output to signal to a MULTIGUARD indicator from HED. All are supplied with a door contact, fixing screws and door warning label.

Quick Install

Exitguards are NOT intended for external use and to avoid damage should not be fixed to the protected door itself.

1. The door contact is in two parts; the magnet should be fixed to the door and the contact with its cable fitted to the frame. The cable should be taken to the EXITGUARD and connected as shown. A is the alarm input for the switch element (RD/YL) of the contact and T is from the tamper loop (BL/BK) of the contact.
2. Make all connections, apply power, a double bleep will be heard and the four mode LEDs will illuminate.
3. When the EXITGUARD leaves the factory there are no codes in memory. The four illuminated red LEDs are inviting you to enter a User Code. This must be a four-digit memorable code. As the code is entered acknowledge bleeps are heard and each of the mode LEDs will extinguish. The code is now stored in memory and the EXITGUARD will emit a double bleep and should be in the OFF mode.
4. OUT OF THE BOX factory default settings are suitable for most applications. On first use we recommend that you use these settings to test the EXITGUARD. They can be changed later to suit local requirements. Test by entering the user code and pressing I for Chime Mode. A chime will be heard each time the door is opened.

Advanced Installation

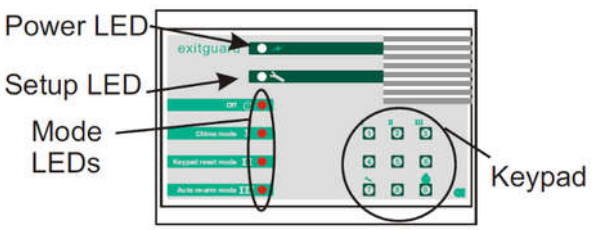
The following parameters can be changed through the keypad:
1. User Code
2. Select one of six different alarm tones
3. Change auto re-arm delay 0 - 88 seconds
4. Change Door Open Too Long (DOTL1) delay for keypad reset mode 0 seconds - 88 mins.
5. Change DOTL2 delay for auto reset mode 0 seconds - 88 mins.
6. Switch Bleep In Off (BIO) on or off.
7.Add or change a Reset/Pass Code
8. Add or change a Manager Code.

OUT OF THE BOX User Operation.

There are four possible modes:

Off Mode **0** Chime Mode **I** Keypad Reset Mode **II** Auto re-arm Mode **III**

When the User Code is entered the EXITGUARD is interrogated and one of the mode LEDs illuminates to indicate the current status.
After the User Code is entered there is a 5 second window to change the mode, e.g. If the current mode is OFF and it is desired to switch to the Keypad Reset mode, just enter **II** i.e. number 2 on the keypad. Within 5 seconds the LED will extinguish. If a mistake has been made this can be rectified before the LED Extinguishes by simply selecting the desired mode, the LED indication will change to the new mode.
If the Auto re-arm mode is selected, then the factory default period of 30 seconds will be used unless set up differently. (see programming instructions to change the Auto re-arm period and other functions)



Hoyles Electronic Developments Ltd
Sandwash Close, Rainford, St Helens, WA11 8LY, UK
www.hoyles.com
sales@hoyles.com
+ 44 (0) 1744 886600

EXITGUARD Set-up

The EXITGUARD contains a non volatile memory (NVM). The **User Code** and any programmed functions are stored in this NVM even if power is lost for long periods. If you have forgotten the **User Code** (or manager code if used) it will be necessary to reset to the factory default settings. Any functions that you have programmed will be lost.

Before altering any functions such as the re-arm period or door open too long delays (**DOTL**) etc.. consider if the factory defaults will meet your requirements. The following scenarios are quite typical. The first four involve no programming other than setting the **User Code**. The remaining scenarios require a little programming.

Scenario 1. Typical Fire Exit Door.

An audible alarm is required when the door is opened. Use the factory default settings and arm the EXITGUARD for either Keypad reset **II** or Auto re-arm **III** mode. ie. the EXITGUARD silences and re-arms after a 30 second delay if the door has been closed.

Scenario 2. Shop or Reception Door.

A chime is required each time the door is opened. Use the factory default settings and arm the EXITGUARD for **Chime I** mode.

Scenario 3. Fire Door Checker.

The EXITGUARD can be used to verify that all Fire Exit Doors are available for use when a building is occupied. The R terminal of each EXITGUARD is connected to a switched +ve 12vdc of the building's intruder alarm. When the alarm is set this signal is applied to the EXITGUARDs. When the intruder alarm is un-set the signal is removed and the EXITGUARDs will strobe and double bleep every 30 secs. Opening and re-closing the door causes the strobing and the periodic bleeps to cease. The EXITGUARD then automatically reverts to the mode it was set to during the previous period of occupancy; **O**, **I**, **II** or **III**. If the intruder alarm has been set in error it can be un-set and re-set without the necessity to open and re-close all doors for checking.

Scenario 4. Loading Bay Door.

Invoke the **Bleep In Off** facility (see programming below). Arm the EXITGUARD in Keypad reset **II** mode. Switch Off with keypad for deliveries. The Bleep In Off will remind staff to re-arm the EXITGUARD after each delivery.

Scenario 5. Fire Stop Corridor Door.

Staff are able to pass through the door without generating an alarm but if left open then an alarm will be generated. Set the Auto re-arm period at 00 and **DOTL2** delay at 10. Door must be closed within 10 seconds. It is recommended that a door closer spring is fitted. Arm the EXITGUARD in **III** mode.

Scenario 6. Temporary Pass Through

In this scenario a **Pass Code** is used to allow passage through to say a storeroom without the necessity to switch the EXITGUARD Off. When using a pass code there is a 10 sec window to open the door and a further time period to pass through and close the door. This time is specified by either DOTL1 or DOTL2, depending on which mode the EXITGUARD is armed in. To use a pass code DOTL1, DOTL2 or both must be set depending on whether you wish to use mode **II** or **III**. See later instructions for setting DOTL1 and DOTL2. To return through the door a momentary +ve must be applied to the R terminal, this will bleep the unit and strobe the LEDs to warn that the door is about to open. Arm the EXITGUARD in mode **II** or **III**.

High Level Security.

In some applications it may be necessary to allow only selected persons to change the various parameters. A **Manager Code** gives an extra level of security by only allowing a manager to change:

A. **User** and **Pass** & **Manager Codes**
B. Bleep **I**n **O**ff (**BIO**)
C. Auto re-arm delays
D. Door **O**pen **T**oo **L**ong delays (**DOTL**)

Programming.

Before the EXITGUARD can be programmed a **User Code** must have been set up as detailed overleaf. The following functions can be programmed into the NVM:

1. Four digit **User Code**.
2. Select one of six different alarm tones
3. Change auto re-arm time 0 - 88 seconds
4. Change **DOTL1** delay for keypad reset mode 0 seconds - 88 minutes.
5. Change **DOTL2** delay for auto reset mode 0 seconds - 88 minutes.
6. Switch Bleep **I**n **O**ff (**BIO**) on or off.
7. Add or change a four digit **Reset/ Pass Code**.
8. Add or change a four digit **Manager Code**.

Programming is carried out in Set-up mode

To Enter Set-up Mode.



To enter the this mode type the **User Code** UUUU and hold down the 7 key until two beeps are heard. The Set-up LED flashes. To leave this mode type 0. The system always reverts to the OFF when leaving Set-up. See also Manager Code later.

Changer User Code.

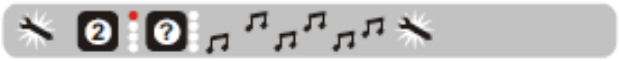


In Set-up mode enter 1, a double bleep is heard and the four mode LEDs will illuminate inviting you to enter a new four digit **User Code** UUUU. As each digit of the

Hoyles Electronic Developments Ltd
Sandwash Close, Rainford, St Helens, WA11 8LY, UK
www.hoyles.com
sales@hoyles.com
+ 44 (0) 1744 886600

code is pressed an LED will extinguish. When the code is complete a double bleep is heard. The unit remains in the SET-UP mode and further programming can be carried out following the instructions below.

Tone Select.



In Set-up mode enter 2. A bleep is heard and a single mode LED illuminates to indicate that a one digit number in the range 1 - 6 is needed.

The tones are:

1 & 2. High (Factory default setting is 1)
Ear defenders are recommended!!!!!
3 & 4. Normal
5 & 6. Low

If an incorrect digit is entered a 'Barp' will be heard and the LED continues to indicate that a single digit is still required. When a correct digit is entered the a short sample of the tone is played with the strobing LEDs to indicate the selected tone. The Set-up LED flashes to indicate that you are still in Set-up mode. Enter 0 to leave if set-up is complete.

Auto re-arm period.



In Set-up mode enter 3. A bleep is heard and two mode LEDs will illuminate to indicate that a two digit number corresponding to the required period eg. 00 for instant re-arm, 05 for 5secs, 88 for 88secs etc.. As the digits are entered the LEDs extinguish and a double bleep is heard when both digits have been entered. The Set-up LED continues to flash to indicate that you are still in the Set-up mode.

Door Open Too Long Delay for Keypad reset mode (DOTL1.)



In Set-up mode enter 4. A bleep is heard and the bottom two mode LEDs illuminate to request a two digit number for minutes eg. 00 for zero mins 05 for 5mins, 88 for 88 mins etc.. As the digits are entered the LEDs extinguish and a single bleep is heard when both digits have been entered. The top two mode LEDs now illuminate requesting a two digit number for seconds eg. 00 for zero secs, 15 for 15secs up to a maximum of 58secs. The maximum is therefore 88m58s. A double bleep is heard when all digits have been entered correctly. The Set-up LED continues to flash to indicate that you are still in the Set-up mode.

Door Open Too Long Delay for Auto re-arm Mode (DOTL2.)



In Set-up mode enter 5. The procedure is identical to the procedure for **DOTL1** above

Bleep In Off (BIO).



In Set-up mode **BIO** can be toggled On and Off . The default factory setting is Off,

In Set-up mode enter 6. If one bleep is heard then **BIO** is off, if two bleeps are heard then **BIO** is on. Successively pressing 6 will toggle **BIO** on and off.

Add or change a Reset/Pass Code.



In set-up mode enter 7. A single bleep is heard and four mode LEDs illuminate inviting you to enter a four digit Reset/**Pass Code** PPPP. As each digit is entered an LED will extinguish. When the code is complete a double bleep is heard. The Set-up LED continues to flash to indicate that you are still in the Set-up mode. Ensure DOTL1 and DOTL2 are set.

Add or Change a Manager Code.



In set-up mode enter 8. a triple bleep is heard and four mode LEDs illuminate inviting you to enter a four digit **Manager Code** MMMM. As each digit is entered an LED will extinguish. When the code is complete a double bleep is heard. To change any further settings in future you will need to use the **Manager Code** in order to enter the set-up mode rather than the **User Code**.

Note: If the EXITGUARD has been set up with a Manager Code then both the **User Code** and **Manager Code** must be used to enter the set-up mode and change any settings. Proceed as follows:

Enter the **User Code** UUUU, Press and hold 7. The LED illuminates steady. Enter the **Manager Code** M MM M, the LED flashes.

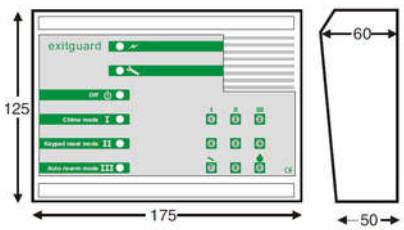
To delete a **Pass** or **Manager Code** use the **User Code** for either or both..

Leave Set-up Mode.



In Set-up mode enter **0**, a double bleep is heard as the EXITGUARD leaves set-up mode. The EXITGUARD will now be in the OFF mode as indicated by the OFF LED. Whilst this LED is illuminated the EXITGUARD can be switched to any other mode **I**, **II** or **III** or even back to Set-up mode by pressing and holding 7.

Dimensions (mm)



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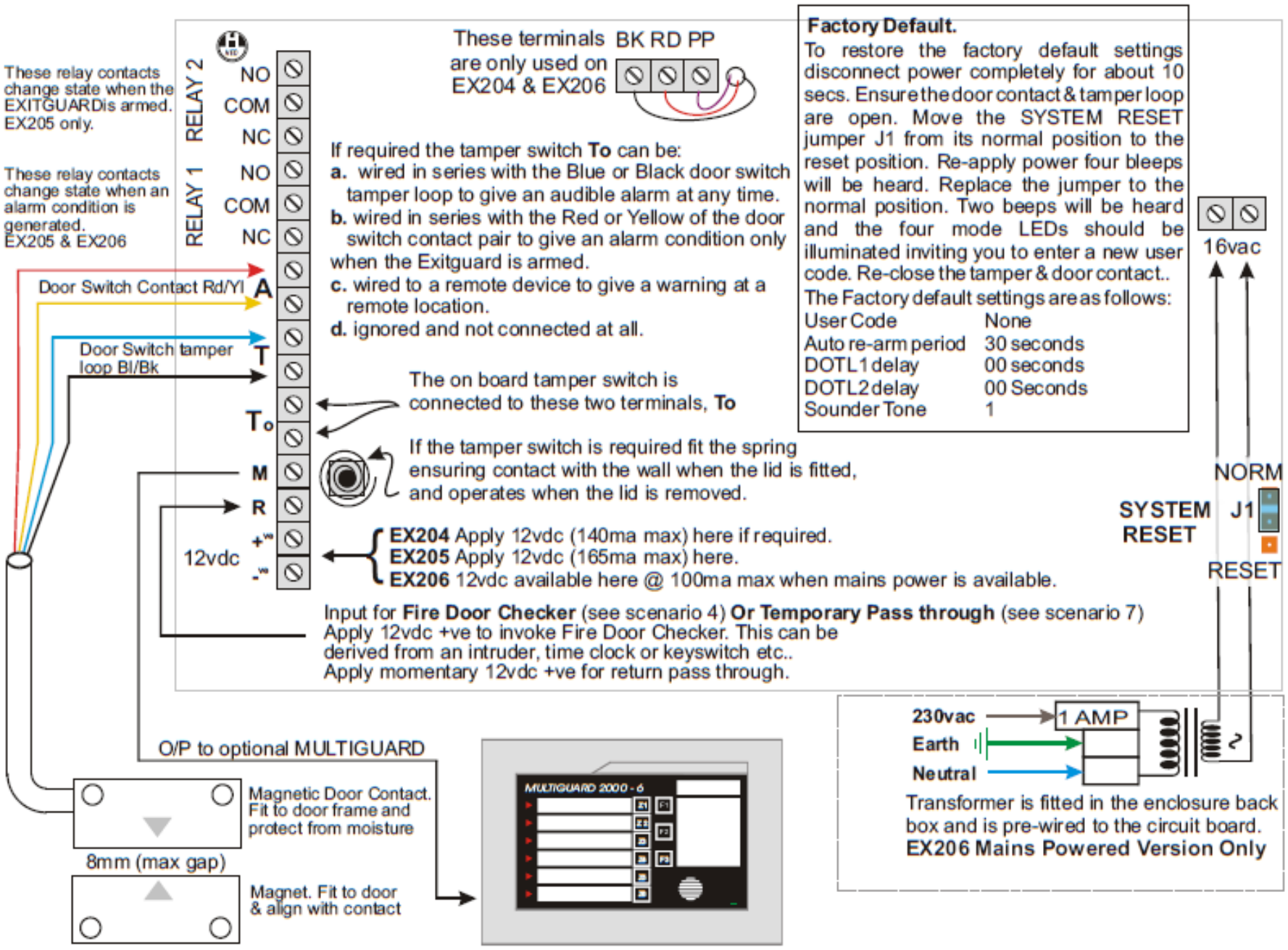

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