

## HAMMER

### EZ CODE KEYPAD

The code keypad is designed for easy installation and operation, as well as being robust and resistant to breakdown.

It is extremely versatile and can be used on a number of units to add ease of use to a new or existing system.

#### FEATURES

1. Operates on EZ 630, 640, and 680 energisers.
2. Three level PIN code operation.
3. Provides remote operation (on, off, reset,) of energiser.
4. Indicates power supply to energiser is functioning.
5. Indicates whether energiser is on or off.
6. Bargraph indicates energiser is pulsing and return voltage is sufficient.
7. Provides visual and audible warning of alarm condition.
8. Allows multiple user control of energiser.

#### OPERATION

1. Keypad connects to the energiser via an interface pc board.
2. Interface pc board to be mounted inside energiser housing by using stick on pads provided with the pc board.
3. Connection between keypad and interface pc board requires 3 wires and must not exceed 100m . SHIELDED CABLE is advised for distances exceeding 30m.
4. Connection between interface pc board and energiser via colour coded wires provided on the interface pc board.(see diagram on reverse side)
5. Fence sensitivity jumper (JP1-JP3 on the main energiser pc board) must be removed and replaced by the jumper on the blue wire provided with the interface pc board.
6. Power on indication provided by yellow/grey wire with 2 pin plug, to be plugged into 2 pin header underneath the power connector on energiser.
7. Energiser must be turned on at the unit keyswitch and can then be controlled by the remote keypad.

#### FUNCTION

The function of the keypad is to display system information of the energiser and alarm monitor, and to control the energiser operation. Via a PIN code unauthorised operation or access to the system is denied. Specific system information eg. Mains power, energiser on, fence alarm, etc. is displayed by dedicated LEDs. All operation must be preceded by entering a valid PIN code. There are three different 4-digit PIN codes. When the correct code is entered the buzzer will emit two long beeps. If the code is incorrect it will emit four short beeps.

LED Display. The following information is displayed.

Top row;

- LED 1    On – Mains power good, battery good.  
          Off – Mains power off, battery low.  
          Flash – Mains power off, battery good.

- LED 2    On – energiser on.

Off – energiser off.

LED 3    On – fence alarm active.  
Off – energiser off.  
Flash – fence alarm has been triggered. Stops when fault removed and system has been reset.

LED 4    On – aux. Alarm active.  
Off – aux. Alarm deactivated.  
Flash – aux. Alarm has been triggered. Stops when fault removed and system has been reset.

Bottom row;

LED 1-7    Fence voltage bar graph. Each Led represents 1000v.

#### PIN code level 1. (Default-1111)

- Cannot turn system off with this code.
- Turn system on : enter four digit code.
- Reset the alarm : enter four digit code.

#### PIN code level 2. (Default-2222)

- To turn system off : enter four digit code.
- To reset the alarm : enter four digit code.
- To turn system on : enter four digit code plus 0.

#### PIN code level 3. (Default-3333)

This code is used to enter programme mode. Any changes are updated in memory in case of power loss.

- Turn the system off with PIN code level 2.
- Enter PIN code level 3.
- For level 1: Enter 01, enter ( 4 digit code ) long beep will be heard, enter( 4 digit code ) again and two short beeps will be heard to confirm acceptance of the code.
- For level 2 : Enter 02, enter (4 digit code) long beep will be heard, enter (4 digit code) again and two short beeps will be heard to confirm acceptance of the code.