

ALARM MODULE – IDM3 / IDM 2000

Operating Instructions

Important

This handbook should be read through carefully before any attempt is made to install and use the system. For ease of understanding it is suggested that this handbook is read whilst viewing the keypad.

Your alarm system, when new, contains the manufacturer's code 1234. For security reasons this should be changed as soon as practical. (See 'Changing the Personal Code').

Factory Settings

Entry Delay - 0:00 (0 secs)

Exit Delay - 0:20 (20 secs)

Siren On Time - 1:00 (1 minute)

Manufacturers

Personal Code - 1234

Changing the Personal Code

1. Press "F", press "1"
2. Enter the current code. (1234 if new).
3. Enter desired 4 digit code.
4. Press "F".
5. This operation can be cancelled at any time before step 4 by pressing "C".

Changing the Entry Delay Time

1. Press "F", press "0".
2. Enter your personal code.
3. Enter the new entry delay as 3 digits, i.e. 10 seconds is entered 010.
4. Press "F".
5. This operation can be cancelled at any time before step 3 by pressing "C".

Note: The Entry Delay Time must be as short as possible to prevent compromising security.

Changing the Exit Delay Time

1. Press "F", press "2".
2. Enter your personal code.
3. Enter the new exit delay as 3 digits, i.e. 20 seconds is entered 020, 1 minute is 100. (Please note the maximum time allowed is 4 minutes i.e. 400).
4. Press "F".
5. This operation can be cancelled at any time before step 3 by press "C".

Changing the Siren-on Time

1. Press "F", press "3".
2. Enter your personal code.
3. Enter the preferred time as 3 digits, i.e. 2 minutes is entered 200. (Please note the maximum time allowed is 4 minutes, i.e. 400).
4. Press "F".
5. This operation can be cancelled at any time before step 3 by pressing "C".

Setting up the Tilt Sensor

The tilt sensor is not adjustable and requires the caravan to be reasonably level. If the Tilt Sensor is active, one of the Tilt Sensor Indicators will illuminate on the keypad. Adjust the level of the van until the light goes off.

Arming the System

If you are in the PIR's sight, then it is possible that when arming the system, any movement detected by the PIR will deselect the PIR channel. To avoid deselecting the PIR accidentally please ensure that

you remain perfectly still when arming the system. This is very important when the keypad is sited within the PIR coverage area.

1. Enter the personal code, the indicators for all available sensors will light (IF a sensor indicator fails to light, see "TROUBLESHOOTING").

2. To Disable any sensors not required, press the relevant key, i.e. 1 for PIR, 2 for tilt, 3 for tow sensor. Repeated pressing will select (light comes on) and disable (light goes off) the relevant sensor.

3. Press "F". The exit delay will begin, 1 pulse per second.

4. 2 short bursts on the siren will be heard at the end of the exit delay. This confirms the system is armed.

5. This operation can be cancelled at any time before step 4 by pressing "C".

Disarming the System

1. Enter your personal code. (This is the only way to disarm the system).

2. If the system has been inactive all indicators will flash twice on the keypad.

3. If a sensor has been activated then the corresponding light on the keypad will flash five times. However, if the system had been continuously active for 20 minutes or more (and subsequently reset) there will be a random flashing of indicators preceding the display of the sensor(s) responsible.

Note: When the siren is active there is no limit on key entries. When the siren is inactive a maximum of 16 key entries are allowed. If 16 key entries are exceeded then the system will not accept any more entries until the siren is activated.

Memory Recall

This enables the user to tell if any sensors were active during the previous armed state.

1. Press "F", press "5", watch the indicators.

2. If all indicators flash twice the system has been quiet.

3. If any indicator flashes 5 times, the corresponding sensor has been active.

4. A random flashing of indicators followed by 5 flashes for sensor(s) means that the system has had to reset (i.e. disarm itself) due to the siren being active for 20 minutes.

Testing

A time limit of 2 minutes is imposed when in the test modes described. After this time the system will return to standby. This is to preserve battery power.

Checking the Battery Life

Battery Life (between recharges) is eight months maximum. NEVER allow the battery to completely discharge. Regular battery life checks are strongly recommended.

1. Press "F", press "4".

2. A number of pulses will be heard; 1 pulse = 1 month, 3 pulses = 3 months etc up to a maximum of 8 pulses. If, however, a random flashing of indicators occurs, this indicates that the battery is in need of immediate charging.

3. If the battery is low, connect the battery charger via the socket on the main control box. This will be located under the front offside bed-box. Battery charging should be complete within 24 hours (for a fully discharged battery).

Please note

i) avoid charging battery while the system is armed.

ii) reading the battery status whilst charging the battery will give a false indication of battery life, please wait 15 minutes after charging battery before taking a reading.

Testing the PIR

1. Press "F", press "6".
2. Walk in front of the PIR. The light on the keypad marked PIR will illuminate five times, and give an audible signal.

Testing the Siren

1. Press "F", press "7".
2. The siren will sound. Press "C" to stop the siren.

Testing the Tow Sensor

The towing vehicle must be connected to the caravan via the 12S plug before this test can be carried out. This sequence also assumes that the towing vehicle is correctly wired.

1. Press "F", press "9".
2. The "FNC" light on the keypad will stay on.
3. Disconnect the car from the caravan. The siren will emit a short burst followed by five flashes on the keypad sensor indicator, and give an audible signal.

Testing the Tilt Sensor

1. Press "F", press "9".
2. Adjust the level or move the caravan until one of the Tilt Sensor Indicators on the keypad illuminates and gives an audible signal.
3. Press "C".

Troubleshooting

1. When attempting to arm, on entering the personal code, sensor lights do not illuminate - The code entered is incorrect, or all sensors are active. Check the tow vehicle is attached, that there is no-one in the PIR's field of vision, connections to the PIR are good and that the caravan is level.
2. The tilt sensor light does not illuminate on arming - The tilt sensor is active. (Press "C" to cancel then refer to section 'Setting up the Tilt Sensor').
3. The tow sensor light does not illuminate on arming - The 12S (grey) socket on the towing vehicle must be correctly wired. Assuming this is the case then the vehicle may have been disconnected from the caravan (e.g. when on sit).
4. The PIR sensor light does not illuminate on arming - Ensure no-one is in the PIR's field of view, including the person who is arming the system. Move everyone outside the PIR's field of view and press "1". If the PIR indicator still does not light then check PIR connections.
5. On disarming the system the sensor indicators do not light - An incorrect personal code has been entered.
6. If you are unable to resolve your problem please contact Plug-In-Systems Product Support Department; Tel: 01482 659309.

Clearing the System back to Manufacturers Settings

If for any reason you wish to set the IDM2000 back to its factory settings then the following procedure should be used: 1. Press "F", keep finger on the "F" key until 5 bursts are heard from the keypad buzzer. The IDM2000 has now reverted to factory settings. This can only be done when the system is

disarmed.

The Noise Pollution Act

If the alarm is activated continuously for 20 minutes, the system will shut down. This effectively disarms the system. This is a requirement of the Noise Pollution Act. Plug-In-Systems reserve the right to change product specification at any time without prior notice.

SPECIFICATION

Mains Input 230 volts +/- 10% ~ ac

Frequency 50Hz

Output voltage 13.8 volts DC

Output current 12 amps (max)

Battery recommended Re-chargeable lead-acid 12 volt battery, 6 cells, leisure type, 44 ampere hours minimum

Dimensions

Height 193mm

Width 102mm

Depth 210mm (max)

Weight 2.28Kg

PRODUCT SUPPORT

Plug-In-Systems Ltd offer the customer an On-Site Service, available for both Warranty and Non-Warranty repairs (on the CEC and Plug-In-Systems range of equipment only). If you would like to take advantage of this service then please ring Plug-In-Systems (direct) on: HULL (01482) 659309 and ask for PRODUCT SUPPORT