IDM4 CARAVAN ALARM

Operating instructions

Factory Settings
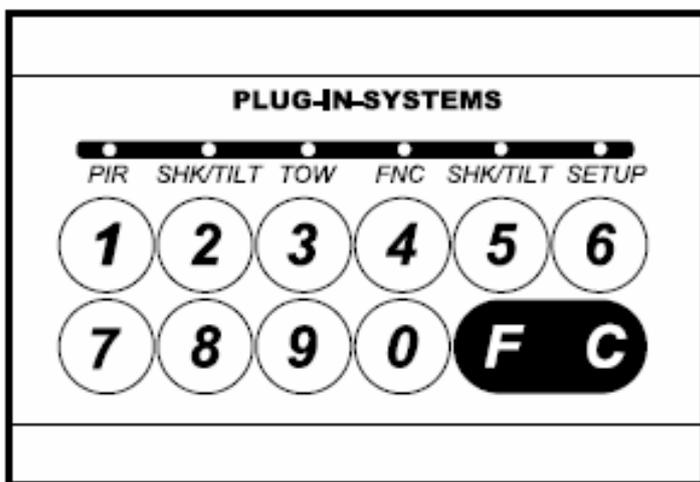Entry Delay - 0:00 (0 secs)
Exit Delay - 0:20 (20secs)
Siren On Time - 1:00 (1 minute)
Manufacturers Personal Code - 1234

Operation

Alarm Keypad - IDM4

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".

▲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 pressing "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 line of sight, 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. Two 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.

▲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 Battery Life & Charging

Battery Life (between recharges) is eight months maximum. NEVER allow the batteries 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 is usually located under one of the bed lockers. On the IDM4 version of the system, there is also a charging socket on the keypad.
4. Battery charging should be complete within 24 hours (for a fully discharged battery).
5. If your charger has an indicator light then this will extinguish when charging is complete. Refer to the charger label for instructions on its use.

   ▲Avoid charging battery while the system is armed.

   ▲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.

Replacing the Battery

The IDM alarm uses a re-chargeable lead acid battery, which should last for many years if charged regularly. Should the battery need replacement then use the following procedure.

1. Remove the four screws from the end section of the control box (where wires exit).
2. Tap the box and the battery module should slide free (if not then gently prise with a flat blade screwdriver).
3. Remove the battery from the mounting plate (it is fixed with an adhesive pad).
4. Remove the yellow +ve and black -ve cables and attach to the new battery, take care to re-connect with the correct polarity.
5. Fix the new battery to the mounting plate with a new adhesive pad.
6. Slide the module back into position and re-fix the four screws.

▲Note that the system will now have reset to the manufacturer settings. Please re-programme your entry code and entry/exit delays as described in the relevant section of the handbook.

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 assumed that the towing vehicle is correctly wired.
1. Press "F", press "8".
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 tow 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 site).
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 IDM 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 IDM has now reverted to factory settings.

This can only be done when the system is disarmed.

The Noise Pollution Act

If the system 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.