

IDS400

User Manual



CONTROL KEYPAD

For a more detailed explanation of the keypad indicators see Page 9: Understanding the Keypad Indicators

ARMED INDICATOR (RED)
The indicator is illuminated when the system is armed.

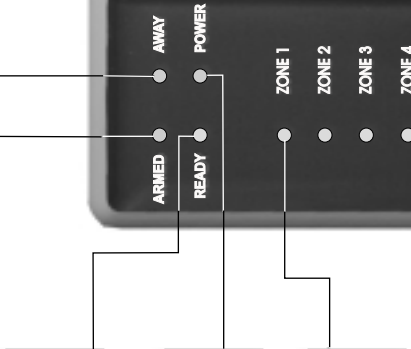
READY INDICATOR (GREEN)
The indicator is illuminated when the system is ready to be armed.

POWER INDICATOR (RED)
The indicator is illuminated when mains power is present.

ZONE INDICATOR (YELLOW)
Indicates the status of the zones.

STAR KEY
Used to program bypass zones and stay zones.

AWAY INDICATOR (RED)
The indicator is illuminated when the system is armed in the AWAY mode.



HASH KEY
This key will cancel any unintended entries.

FIRE ALARM
This key will activate the FIRE ALARM when held down for one second.

MEDICAL ALARM
This key will activate the MEDICAL ALARM when held down for one second.

PANIC ALARM
This key will activate the PANIC ALARM when held down for one second.



IDS400

Users Guide to Keypad Functions

Summary of Operation

Arm/disarm	[#] + [USER CODE]
Quick Arm - Away	Hold down [1] for 1 second
Quick Arm - Stay	Hold down [5] for 1 second
Quick Stay Arm & Go	Hold down [6] for 1 second
Panic	Hold down [P] for 1 second
Fire	Hold down [F] for 1 second
Medical Emergency	Hold down [M] for 1 second
Alarm Memory	Hold down [0] for 1 second
Bypass a zone	[*] + [ZONE NUMBER]
Program chime zone	Hold down [2] + [*] + [ZONE NUMBER]
Program stay zone	Hold down [3] + [*] + [ZONE NUMBER]
Duress	[#] + [DURESS CODE]

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Glossary

Alarm Memory	This is the history of the most recent violations that occurred the last time the system was armed.
Arm	To set the system into the ARMED mode. In this mode, violating a zone will activate an alarm condition and, if the system is programmed accordingly, will cause a reporting code to be sent to the monitoring company.
Bypass	To deactivate a zone, so that it will not respond if violated. When the panel is ARMED, violation of a bypassed zone will be ignored.
Disarm	To take the system out of the armed mode. In this mode, only a violation of a PANIC zone will activate an alarm condition. Fire and Medical functions remain active.
Entry/ Exit Zone	A zone with a programmable time delay, that allows the user to exit the premises after arming the system and time to get to the keypad after entering the armed premises.
Follower Zone	A zone that may be temporarily violated - only after an entry/exit zone is violated. This allows the user access to disarm the system. A Follower zone will behave as per an Instant zone if violated prior to the violation of an entry/exit zone.
Instant Zone	When the system is armed, a violation of an instant zone will immediately cause an alarm condition to be registered.
Stay Arm	Arming that allows for certain preprogrammed, STAY or bypassed zones to be violated while the system is armed.
Stay Arm and Go	Arming that allows the user to stay arm and leave the premises.
Stay Zone	Zones which are bypassed automatically when the system is STAY ARMED.
Zone	A specific area of your premises guarded by sensors which detect violations of that area.

1. Introduction to the IDS400

The IDS400 Control Panel is manufactured to the highest specification and will provide many years of service if correctly installed and maintained. The unit is designed for simple operation yet provides the maximum protection for you, your family or business. For trouble free operation please follow the instructions contained in this User Manual.

Your security system consists of a control panel, one or more key-pads and various sensors and detectors. A metal cabinet will contain the control panel which includes the system electronics, fuses and stand-by battery. There is normally no reason for anyone but the installer or service professional to have access to the control panel.

1.1 Notes

- ❖ Read the entire manual carefully and keep it in an accessible place.
- ❖ Your security system should be installed and serviced by a qualified security professional who should instruct you on the level of protection that has been provided and on systems operations.
- ❖ If you have any questions regarding the operation of the system, contact your security company representative.
- ❖ Your system should be tested on a regular basis. Before testing the system please notify your security company of your intention to do so.
- ❖ NEVER disconnect the mains power as the back-up battery will eventually discharge which will cause the control panel to switch off.
- ❖ It may be possible to arm the security system without the back-up battery connected. Ideally, your periodic tests should be done with AC power removed to verify the battery is connected and adequately charged. **ENSURE THAT THE BATTERY IS RECONNECTED**
- ❖ A security system cannot prevent emergencies. It is only intended to alert you and - if included - your central station of an emergency situation.
- ❖ Warning devices will need to be visible and loud enough, wired

correctly, and properly placed to provide notification of an alarm condition.

- ❖ Smoke and heat detectors may not detect all fire situations.

2. Understanding the Keypad Indicators

See illustration on inside front cover.

1. ARMED Indicator (Red)

Illuminated	System Armed
Extinguished	System Disarmed
Flashing	Alarm Condition or Memory

2. AWAY Indicator (Red)

Illuminated	System Armed in Away Mode
Extinguished	System Disarmed / Stay in Away Mode

3. POWER Indicator (Red)

Illuminated	Mains Power is present
Flashing	Trouble Condition (battery low or mains power not present)

4. READY Indicator (Green)

Illuminated	System is ready to be armed
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5. ZONE Indicators (Yellow)

Illuminated	Zone bypassed
Extinguished	Zone clear
Flashing	Zone violated

3. Operation of the Keypad

To ensure correct operation of your security system it is essential to familiarize yourself with the use of the keypad.

- ❖ The keypad has an audible indicator, command entry keys and zone and system status lights.
- ❖ The keypad is used to send commands to the system and to display the current system status.
- ❖ The keypad(s) will be mounted in a convenient location inside the protected premises close to the entry/exit zones.
- ❖ A sensor which has registered an alarm condition will be indicated on the keypad by the corresponding zone light flashing.

The audible indicator will sound under the following conditions.

- ❖ When any key is pressed during the entry of codes.
- ❖ Three times if one or more of the zones are violated when attempting to arm the system.
- ❖ During entry/exit delay.
- ❖ Will sound 5 times when a chime zone is violated.

4. System Information

4.1 Programmed Functions

Check with your installer which of the following functions have been enabled.

- Quick Arm
- Stay Arm
- Stay Arm and Go
- Siren Sound on Arm/Disarm (long toot on arm/ short toot on disarm)
- Panic Alarm
- Fire Alarm
- Medical Alarm
- Chime Zones

4.2 User Codes

User No.	User Code	User Name
01	Default Master Code: 1234 NEW Code:	
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15	Duress Code:	

4.3 Zone Information

Zone	Zone Type e.g. Entry/Exit	Zone Name e.g. Kitchen door
1		
2		
3		
4		

The Entry delay is		seconds.
The Exit Delay is		seconds.

5. Arming the System

There are various options for arming the system

5.1 Away Arming Procedure

[#] + [USER CODE]

1. Ensure that the READY indicator is illuminated; if not, check that all protected doors and windows are closed and that motion has ceased in areas covered by motion detectors.
2. If necessary, close the front door.
3. Press the **[#]** key to cancel any unintended key entries.
4. Enter a valid 4 digit **[USER CODE]**. If you make a mistake, press the **[#]** key and re-enter the code.
5. The ARMED indicator will illuminate and the keypad's audible indicator will sound on and off for the duration of the exit delay. Any bypassed zones will be shown by a steady illuminated zone indicator.
6. The arming process has begun. Leave only via the follower and entry/exit zones.

5.2 Quick Away Arming

[1] - Hold down the key until the keypad audible indicator sounds.

If this function is enabled, it is possible to AWAY arm by simply holding down the **[1]** key until the audible indicator sounds and the arming process begins.

5.3 Stay Arming

[#] + [USER CODE]

This allows the user to arm the perimeter zones while disabling the interior zones so that it is possible to remain on the premises.

1. Ensure that the READY indicator is illuminated; if not, check that all protected doors and windows are closed and that motion has ceased in the areas covered by motion detectors.

2. If necessary, close the front door.
3. Press the [#] key to cancel any unintended entries.
4. Enter a valid [USER CODE].
5. DO NOT open the front door. If the front door is opened the system will arm in AWAY mode.
6. The ARMED indicator will illuminate and the audible indicator will sound on and off for the duration of the exit delay.
7. The AWAY indicator will remain extinguished.
8. Any STAY zones (shown by a steadily illuminated indicator) will be automatically bypassed.
9. Ensure that you enter only those zones that are bypassed.

5.4 Quick Stay Arming

[5] - Hold down the key until the keypad audible indicator sounds.

It is possible to STAY arm by holding down the [5] key until the keypad beeps. If the system is armed using the quick STAY arm key, there is no exit delay.

5.5 Stay Arm and Go

[6] - Hold down the key until the keypad audible indicator sounds.

This is a quick function which allows the user to STAY arm and leave the premises. This is useful if you have a guest or a pet moving around on the property.

1. Hold down the [6] key until the audible indicator sounds.
2. The ARMED indicator will illuminate and the AWAY indicator will remain extinguished. Any stay zones will be bypassed.
3. Be sure to leave only via the follower and entry/exit zones.

5.6 Arming from a Key-Switch or Remote Control

This option is not standard; check with your installer to verify installation.

1. Ensure that the READY indicator is illuminated before leaving.
2. Leave and close the door (remembering to lock!).
3. Press the remote button or twist and release the key-switch.

4. The alarm will arm immediately and the remote ARM indicator will illuminate.
5. If programmed to do so, the siren will sound briefly - verify with your installer.

NOTE:

If a remote control is used, it is advisable to have the siren sound on arm and disarm function enabled.

6. Zone Bypassing

- ❖ The term BYPASS is used to describe a zone that has been de-activated; i.e. violations in bypassed zones will not cause an alarm.
- ❖ It is used when:
 - ❖ access is needed to part of the protected area while the system is armed, e.g. you wish to leave a window open.
 - ❖ zones which are temporarily out of service due to damaged wiring or a faulty sensor.
- ❖ Zones cannot be bypassed once the system is armed.
- ❖ Bypassed zones are automatically cancelled each time the system is disarmed and must be re-bypassed before the next arming.

6.1 To Bypass a Zone

[*] + [ZONE NUMBER]

1. Press the [*] key (while bypassing zones, violated zones will be flashing).
2. Press the number corresponding to the zone you need to bypass e.g. the [2] key if you wish to bypass zone 2.
3. The relevant zone indicator will illuminate to indicate that the zone is now bypassed.
4. Repeat steps 1 and 2 to bypass any other zones.

NOTE:

Some zones may be programmed to function in a manner which does not permit bypassing e.g. Panic zones.

6.2 To Un-Bypass Zone

[*] + [ZONE NUMBER]

1. Press the [*] key.
2. Press the number corresponding to the currently bypassed zone
3. The zone indicator will extinguish - the zone is now active.

7. Disarming the System

[#] + [USER CODE]

To disarm the system, enter a valid [USER CODE] before the expiry of the entry delay. Although not essential, it is recommended that the [#] key be pressed before entering a user code as this clears any unintended key entries.

- ❖ Enter the premises through a designated entry/exit door; entering by any other door will sound an immediate alarm.
- ❖ As soon as the entry/exit zone is violated i.e. the door has been opened, the entry delay begins.
- ❖ The audible indicator will sound for the duration of the entry period to indicate that a valid user code is required.
- ❖ If the ARMED indicator remains illuminated, an error was made while entering the user code, press the [#] key and re-enter the code.
- ❖ Once the system disarms, the ARMED indicator will extinguish and the audible indicator will stop sounding.
- ❖ If no valid user code has been entered by the end of the entry delay period, an alarm condition will be registered.
- ❖ If the entry period is too short, have your installer change the entry delay period.

NOTE:

If the ARMED indicator is flashing upon entry, there has been a violation. The intruder may still be inside! Call for assistance.

NOTE:

Enter a valid [USER CODE] to cancel the strobe (Where one has been installed).

7.1 To Disarm with a Key-Switch or Remote Control

This option is not standard; check with your installer to verify installation.

1. Press the remote button or twist and release the key-switch.
2. The system will disarm and the remote indicator will extinguish.
3. If programmed to do so, the siren will sound briefly - verify with your installer.

8. Emergency Situations

8.1 Fire Alarm

[F]- Hold down the key until the keypad audible indicator sounds.

- ❖ This key will activate the FIRE ALARM CONDITION when held down until the audible indicator sounds.
- ❖ The FIRE ALARM CONDITION can also be triggered by an installed smoke detector.
- ❖ The siren will sound and the FIRE REPORTING CODE will be transmitted to the monitoring company.
- ❖ To stop the siren sounding enter a 4 digit **[USER CODE]**.

8.2 Medical Alarm

[M] - Hold down the key until the keypad audible indicator sounds.

- ❖ This key will activate the MEDICAL ALARM CONDITION when held down until the audible indicator sounds.
- ❖ The keypad's audible indicator will sound rapidly for 5 seconds to indicate that a medical alarm has been initiated.

8.3 Panic Alarm

[P] - Hold down the key until the keypad audible indicator sounds.

- ❖ This key will activate the PANIC ALARM when held down until the

keypad audible indicator sounds.

- ❖ A PANIC ALARM can also be activated by any FIXED PANIC or REMOTE PANIC buttons which have been installed.
- ❖ If audible panic option has been selected, the siren will sound, and the PANIC REPORTING CODE will be transmitted to the monitoring company.
- ❖ To silence the siren, enter a valid 4 digit **[USER CODE]**. If the siren is not cancelled, it will stop automatically after the programmed SIREN TIME OUT period.
- ❖ Ensure that your installer has enabled this function if it is required.
- ❖ Press this key only in an emergency situation that requires response by emergency personnel.

8.4 Duress Code

[#] + [DURESS CODE]

- ❖ This is a special 4 digit user code which should only used in the unique situation where an intruder forces one to disarm the system “under duress”.
- ❖ When the **[DURESS CODE]** is entered, the control panel disarms normally - however a DURESS REPORTING CODE is transmitted to the monitoring company to inform them that you have been forced to disarm the control panel by an intruder.
- ❖ It is advisable to choose a code that can be easily remembered by all family (or staff) members.

9.0 Emergency Evacuation Plan

An emergency evacuation plan should be established in case of a fire:

- ❖ Draw up a floor plan of your premises showing windows, doors, stairs and rooftops that can be used for escape.
- ❖ Indicate a suitable escape route for each room; and always keep these routes free of obstruction.
- ❖ Set a meeting place outdoors for a headcount of the building occupants.
- ❖ Practice escape procedures.

10. Alarm Memory

The Alarm Memory displays any zones which were violated or bypassed the last time the system was armed.

10.1 To Display Alarm Memory:

[0] - Hold down the key until the keypad audible indicator sounds.

If the ARMED indicator is flashing before you disarm the system, a violation has occurred. To view which zone was violated:

1. Disarm the panel.
2. Hold down **[0]** until the audible indicator sounds.
4. The READY indicator will extinguish and the audible indicator will sound briefly.
5. Flashing zone indicators show which zones were violated during the last armed period.
6. The bypassed zones will have constantly illuminated indicators.
7. The memory status will be displayed for five seconds, or until the **[#]** is pressed.
8. The alarm memory will be erased the next time the system is armed.

11. User Codes

The IDS400 Alarm Panel has 15 programmable user codes.

Code 1 :Master User Code

Code 2 - 14 :General User Codes

Code 15 :Duress Code

11.1 Entering New and Changing Old User Codes.

Summary: **[*] + [MASTER USER CODE] + [*] + [CODE NUMBER] + [*] + [NEW CODE] + [*]**

1. Hold down the **[*]** key until the audible indicator sounds.
2. The ARMED and READY indicators will flash alternately, indicating that the system is ready to program user codes.
3. Enter the **[MASTER USER CODE]** (the factory default is 1234)

- followed by the **[*]** key.
4. The ARMED and READY indicators will begin to flash simultaneously indicating that the correct master code was entered. If an invalid code was entered the keypad will beep three times.
 5. Enter the **[USER CODE NUMBER]** you wish to change (1-15) followed by the **[*]** key.
 6. Enter the new 4 digit **[USER CODE]** and press the **[*]** key.
 7. Repeat steps 6-8 to enter or change other user codes.
 8. Once all the codes are programmed, press the **[#]** key to exit.

11.2 Deleting User Codes

Follow steps 1-6 of the previous procedure but only press the **[*]** key in step 7. That particular code will be deleted.

12. Stay Zones

Stay zones are those zones which are bypassed automatically when the system is STAY ARMED. To avoid triggering the alarm, zones such as the bedroom, or other areas which require access, must be bypassed - this is done automatically when you stay arm. These zones must be programmed before you STAY ARM and need only be programmed once.

12.1 To Program Stay Zones

Summary: **[3] + [*] + [ZONE NUMBER] + [#]**

1. Hold down the **[3]** key until the audible indicator sounds.
2. Press the **[*]** key followed by the **[NUMBER]** corresponding to the zone you wish to be a STAY zone.
3. The relevant zone indicator will illuminate.
4. Press the **[#]** key to exit the stay zone programming mode.

12.2 To Cancel the Stay Zones

Summary: [3] + [*] + [ZONE NUMBER] + [#]

If an area programmed as a STAY zone will no longer be violated during STAY arming, then the STAY status of such a zone should be cancelled. This will allow the system to protect that area during a stay arm cycle.

1. Ensure that the READY indicator is illuminated.
2. Hold down the [3] key until the audible indicator sounds.
3. Press the [*] key followed by the [NUMBER] corresponding to the STAY zone you wish to cancel.
4. The relevant zone indicator will extinguish.
5. Press the [#] key to exit the stay zone programming mode.

NOTE:

The system will automatically exit this mode after 60 seconds.

13. Chime Zones

The chime mode allows the user to monitor nominated zones while the system is disarmed. The audible indicator will sound briefly when the nominated zone is violated - the siren will NOT sound.

EXAMPLE:

You wish to know when someone enters or exits the front door, the keypad will beep each time the door is opened if that zone is a chime zone.

13.1 To Program the Chime Zones

Summary: [2] + [*] + [ZONE NUMBER] + [#]

1. Hold down the [2] key until the audible indicator sounds.
2. The AWAY indicator will flash to show that the panel is on the chime programming mode.
3. To monitor any zone, press the key corresponding to that zone. The zone indicator will illuminate.
4. Repeat steps 1 - 3 to program any other zones to the chime

mode.

5. Press the [#] key to exit the chime programming mode.

13.2 To Cancel the Chime Zones

Summary: [2] + [*] + [ZONE NUMBER] + [#]

1. Hold down the [2] key until the audible indicator sounds.
2. The AWAY indicator will flash to show that the panel is on the chime programming mode.
3. To cancel any chime zones, press the key corresponding to that zone. The zone indicator will extinguish.
4. Press the [#] key to exit the chime programming mode.

14. Trouble-Shooting

14.1 Trouble Conditions

In the event of a trouble condition the power indicator will flash. Trouble Condition refers to Low Battery power and/or AC Mains Failure. Check that the plug is in place and switched on. If the power indicator is still flashing once these checks have been done, contact your installer who will then check the battery power.

14.2 Problems When Arming the System

Is the code correct?

If you enter the wrong user code, there will be no response from the system.

Is the READY Indicator illuminated?

If this indicator is not illuminated, one or more zones are violated. A violation is shown by a flashing zone indicator. Ensure that all monitored doors and windows are closed. Bypassing a violated zone will also create a READY condition.

Does the siren sound before you exit?

The exit delay may be too short - ask your installer to adjust the exit delay.

OR You have not left via a follower and entry/exit zone or have strayed into an instant zone. Either avoid these zones or ask your installer to change the type of zone.

14.3 Problems when disarming the system

Does the siren sound immediately upon entry?

You have not entered via the entry/exit zone or have strayed into an instant zone.

Does the siren sound before you get to the keypad?

You have strayed into a non-follower zone

OR You have taken too long to get to the keypad.

Will the panel not disarm?

You may have entered an incorrect code.

Press the [#] key first, then re-enter your user code.

14.4 For Service

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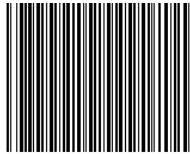
Warranty

Inhep Electronics (Pty) Ltd guarantees all IDS Control Panels against defective parts and workmanship for 12 months from date of purchase. Inhep Electronics shall, at its option, repair or replace the defective equipment upon the return of such equipment to any Inhep Electronics branch. This warranty applies ONLY to defects in components and workmanship and NOT to damage due to causes beyond the control of Inhep Electronics, such as incorrect voltage, lightning damage, mechanical shock, water damage, fire damage, or damage arising out of abuse and improper application of the equipment.

Note: Wherever possible, return only the PCB to Inhep Electronics service centres.

DO NOT return the metal enclosure.

The **IDS400** is a product of
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700-204-01A

WARNING

For safety reasons, only connect equipment with a telecommunications compliance label. This includes customer equipment previously labelled permitted or certified.