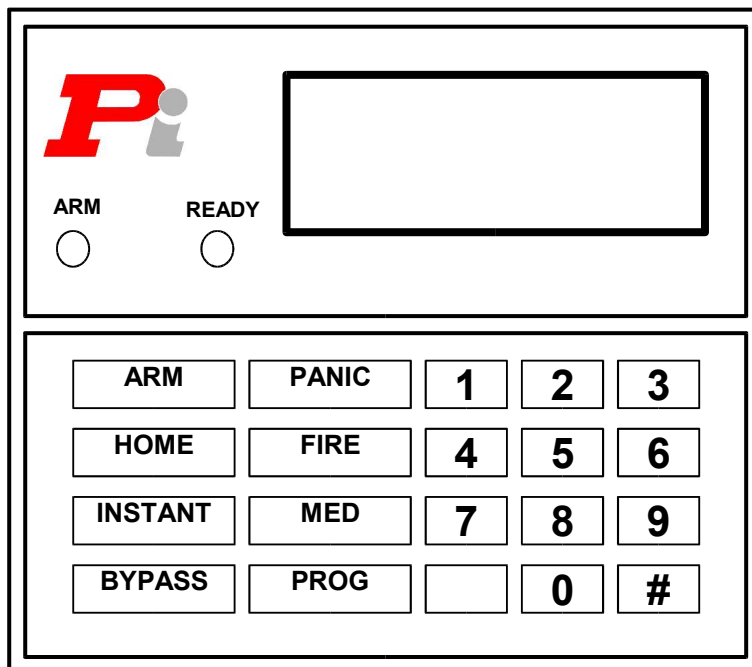




Pi HSC505-32 LCD User Manual Beta version 1.01



Congratulations on your purchase of the PI HSC505-32. The South African designed and manufactured solution to all your electronic security requirements.
Please take the time to read and familiarize yourself with the terms used throughout the user manual.

Arm or Arm away -	The entire system or a partition is completely armed and secured.
Arm home -	The system or partition is armed with certain zones being omitted that have been decided on by you and the installer, to allow free movement within the premises while the perimeter is armed. Normal entry procedures do apply.
Arm home instant -	The system or partition is armed with certain zones being omitted that have been decided on by you and the installer, to allow free movement within the premises while the perimeter is armed. All entry and exit points are now instant.
Armed cycle -	The period for which the alarm system or partition is armed.
Auto arm -	The system will automatically arm at pre-programmed time of the day, each day if the system is disarmed. The system will not auto-disarm. Auto arm timers are user enabled and selected.
Bypass -	A zone or zones are temporarily removed from the system or partition for one armed cycle. When the system or partition is disarmed, all bypassing automatically is removed.
Chime -	A keypad buzzer annunciation for 1 second, when a zone is violated in the disarmed condition.
Control code -	A user authority level that will only switch an output, used for access control, light switching, etc. This code is recorded in the historic log
Control panel -	The metal housing and electronics to which all peripheral equipment is connected.
Cross partitioning -	The ability to control if authorized, more than one partition from a single keypad.
Delay -	A timer function incorporated with entry or exit procedures. A delay of the siren only for a period of 30 seconds if selected when home armed.
Detector -	A device used to detect unauthorized activity in an area.
Disarm -	The period when the system or partition is switched off. Does not include panic, fire, medical, etc.
Encrypted rolling code -	A code transmitted to the alarm system via a Codex remote transmitter, where each code is unique and can not be duplicated. Each remote is identifiable as a valid user and recorded as such in the historic log
Entry / exit -	Refers to the dedicated route required to be followed when entering or exiting the premises. These are timed features. The system has independent primary and secondary entry timers and a global exit timer.
Faulted -	A zone or input is open or activated.
Fire -	Refers to the dedicated route required to be followed when entering or exiting the premises. These are timed features. The system has independent primary and secondary entry timers and a global exit timer.
Historic log -	The control panel stores the last 255 events and conditions in a non volatile, non erasable memory.
Home -	The system or partition is armed with certain zones being omitted that have been decided on by you and the installer, to allow free movement within the premises while the perimeter is armed. Normal entry procedures do apply.
Input -	A terminal on the control panel that a detector is connected to for alarm purposes.
Instant -	A zone or input will create an immediate alarm condition when armed.
Keypad -	The user interface to the control panel from which all commands and functions are carried out
Keypad tamper -	After 21 incorrect key depressions on the keypad the system will go into a keypad tamper condition. Entry of a valid 4-digit user code will clear this condition.

Output -	A terminal on the control panel that would be used to switch external peripherals such as lights, sirens, strobe lights, gate control, etc.
Medical -	A medical key is provided on the keypad to provide local keypad buzzers as an audible warning, as well as report to the alarm monitoring company.
Memory -	After any alarm condition and a valid 4-digit user code has been entered the keypad will display "Memory " and the alarm condition that was present. Any 24-hour input that is triggered in the disarmed mode will also be displayed as a memory alarm. Entering of a valid 4-digit user code will clear the memory condition.
Panic -	An 24-hour input to provide local warning and/or remote communications to the alarm monitoring company. These panic points could be either fixed, portable or remote, or the panic key on the keypad.
Partition -	An area consisting of one or more zones acting independently of any other areas. A partition is controlled via its own keypad as if it were a separate control panel. Users are assigned to operate in one or more partitions. During the system programming cross partitioning can be setup.
Phone me number -	A telephone or cell number could be entered to contact you on your cell phone or other telephone in the event of an alarm condition. Change as necessary to follow where-ever you may go. A voice module could be incorporated to provide a user recorded message.
Reset -	Clear an alarm condition by entering a valid 4-digit user code.
System ready -	All zones are closed and secure. System is ready for arming.
System not ready -	One of more zones are open or violated. These zone must be closed or if faulty, bypassed before the system may be armed.
Tamper -	If programmed as tamper, the wiring and detectors are supervised on a 24-hour bases against tampering.

Error conditions:

Comms fail -	The system will report any failure in one of the 3 communications lines: Tele- the onboard communicator failed a successful transmission to the alarm monitoring center. Radio- when using the PI serial radio transmitter, a failure between the control panel and the radio transmitter will be reported. Buss- an error has occurred on the system communication line to keypads, etc.
Low battery -	The on board battery is not charged to capacity and if left could result in a system failure. Usually due to mains power switched off.
Mains failure -	The ac mains voltage has been interrupted to the control panel. Failure to rectify this condition will lead to a low battery condition.

Arming with premises vacated:

Arm away:

- Close all doors, etc.
- Keypad display "System ready".
- Enter 4-digit user code.
- Keypad display "Exit now".
- Exit via exit route and lock premises within the prescribed exit time.
- All zones are armed.

Disarm system:

- Open entry door, keypad will buzz:
 - Continuous buzz = system normal. Enter 4-digit user code to disarm. Keypad displays system information.
 - Intermittent buzz = Alarm condition. Use caution when entering premises. Keypad display alarmed zones.
- Enter 4-digit user code. All audible warnings stop.
- Keypad displays "Alarm memory" zones.
- Enter 4-digit user code again to clear the memory condition.
- Keypad displays system information.
- All zones except 24hour live zones are now disarmed.

Arming with premises occupied:

Home arm:

- Press "Home" key and enter a 4-digit user code.
- Keypad displays "Arm & Home".
- All zones are armed except zones programmed as home zones.
- Normal entry exit functions apply.

Welcome mode:

- While system is home armed, pressing of the "Home" key enables a 2 minute timer on the entry exit doors, allowing entry or exit from within the protected area without having to disarm the system.
- These points will revert back to their normal armed state at the end of this timer.

Instant arming:

- While armed in the home mode, press the "Instant" key for 2 seconds.
- Keypad displays "Armed home instant".
- All entry exit delay points are now instant zones.
- To revert back to home arm, press the "Instant" key for 2 seconds.

Disarm system:

- Entering of a 4-digit user code in any of the above conditions will disarm the system.

Bypassing of a zone:

- If a zone is faulty, the system cannot be armed until the zone has been bypassed.
- Press "Bypass" key.
- Keypad displays "Enter, use code to bypass".
- Enter a 4-digit user code.
- Keypad displays "Enter zone number 00".
- Enter 2 digit zone number to be bypassed.
- Keypad displays "Bypassed zone xx".
- To bypass multiple zones, repeat above steps per zone.
- To remove bypass from a zone, repeat the same procedure as to bypass.
- All bypassing of zones is automatically removed after the system has been armed, as is then disarmed.
- If 4 beeps are heard, this zone may not be bypassed.

Arming via a remote control

- After vacating the premises press the designated button for arming/disarming
- The siren will give a single chirp (if selected)
- The system is now armed

If no chirp is heard and it has been selected **The system has not armed**

Disarming via a remote control

- Before entering the premises press the designated button for arming/disarming
- The siren will give a double chirp (if selected)
- The system is now disarmed

If the siren gives a triple chirp **use caution** the alarm system has activated in your absence.

User programmable functions:

The user can program various features from the keypad, which are user friendly and menu driven.

The following options are available to root, super and master users only.

0. Add, change or delete 4-digit user pin numbers.
1. Display zones and descriptors.
2. Enable or disable chime function.
3. Edit chime zones.
4. Enable or disable a 30 seconds siren delay timer when armed "Home".
5. Enable or disable keypad alarm buzzer.
6. Set panels date and time.
7. Set panels auto arm state and time.
8. Set call me number.

To enter user programming:

- Press "Prog" key.
- Keypad displays "Enter user code".
- Enter 4-digit user code.
- Keypad displays "Enter key 0 to 8" "Home = exit".
- Enter the desired selection from the list above.
- To select a different option, press "Prog" key and make a new selection.
- To exit the user menu, press "Home" key.

Add or change user pin code:

- Enter user programming.
- Select 0.
- Keypad displays "Enter user codes" "# to continue".
- Press # key.
- Keypad displays "Enter user index".
- Select user index number 01 to 32.
- Keypad displays "User code xxxx".
- Enter 4-digit pin number.
- Keypad displays "Authority part 01".
- Enter desired user authority:

00 root - Allows all access functions to all authorized partitions and programming of all user levels

01 super user - Allows all functions including changing of user codes level 2 and downwards in authorized partitions.

02 master user - Allows all access functions and user programming in its allocated partition only

03 normal user - Allows all access functions but no user programming in its allocated partition only

04 arm/disarm – Bypass Only

05 duress user -Arms and disarms with normal indications but communicates a silent duress/panic signal to the monitoring center

06 armonly - User allows arming of the system only

07 control code - Assignable to a trigger output only, which is recorded in the historic log used as access control, etc.

08 disabled - No user functions

- Press # key.
- Keypad displays "authority part 02".
- Enter desired authority level for part 2.
- Press # key.
- Repeat for partitions 3 and 4.
- Keypad displays "Prog " to save.
- Press "Prog" key to save the user setup.
- System returns to "Next user".
- Repeat for all additional users to be entered into the system.
- Press "Home " to exit user programming.

Display zone descriptors:

- Enter user programming mode.
- Select 1.
- Press # to accept.
- Keypad displays "Display zone dir " "Select 01 to 32".
- Enter zone number to view.
- Press # to accept.
- Keypad displays that zones details, including chime status, then scrolls through the remaining zone details in the partition.
- To exit this mode press "Home" key.

Enable or disable chime:

- Enter user programming.
- Select 2.
- Press # to accept.
- Keypad displays "Set chime " "1=on 2=off".
- Make selection as required.
- Keypad displays "Enabled" or "Disabled".
- To exit this mode, press the "Home" key.
- Keypad returns to normal operation.

Edit chime zones:

- Enter user programming.
- Select 3.
- Press # to accept.
- Keypad displays "Z01 chime "on" or "off".
- Press key 1 to enable or key 2 to disable.
- Press "Instant" key for next zone.
- To exit this function, press the "home" key.

Enable 30 second siren delay when armed in the HOME mode:

- Enter user programming.
- Select 4.
- Press # to accept.
- Keypad displays "30 second siren delay" " 1= on 2= off".
- Make selection as required.
- Keypad displays "Enabled" or "Disabled".
- To exit this mode, press the "Home" key.
- Keypad returns to normal operation.

Enable or disable keypad alarm buzzer:

- Enter user programming.
- Select 5.
- Press # to accept.
- Keypad displays "Keypad buzzer" "1= on 2= off".
- Make selection as required.
- Keypad displays "Enabled" or "Disabled".
- To exit this mode, press the "Home" key.
- Keypad returns to normal operation.

Set panel date and time:

- Enter user programming.
- Select 6.
- Press # to accept.
- Keypad displays "Set time and date" "hxx: mxx".
- Enter hours in the 24-hour mode, enter minutes.
- Keypad displays "Set date" "dxx:mxx:yxx".
- Enter day, month, year as double digits.
- Keypad returns to normal operation.

Set auto-arm mode and time:

- Enter user programming.
- Select 7.
- Press # to accept.
- Keypad displays "Set auto-arm mode", "Select 1, 2 or 3".
- Level 1 - auto arm away.
- Level 2 - auto arm home.
- Level 3 - auto arm home instant.
- Make selection as required.
- Keypad displays "# to accept".
- Press #.
- Keypad displays "Auto-arm and selected mode", "Time hxx:mx".
- Enter desired auto-arm time (A time of 24:00 will disable auto-arm functions).
- Keypad returns to normal operation.

Setting phone me number:

- Enter user programming.
- Select 8.
- Press # to select.
- Keypad displays "Prog to save number".
- Enter telephone or cell number.
- Press "Prog" key.
- Keypad displays "Number saved, home to exit".
- Press "Home" key.
- Keypad returns to normal operation.

Entering a Codex remote transmitter

- Enter user programming.
- Select 9.
- Press # to select.
- Keypad displays "enter remote 1 to add 2 to delete".
- Press 1
- Keypad display " enter remote number"
- Enter user number 01 to 32, corresponding to the user that the remoter will be identified with.
- Keypad displays "Press a button now".
- Press any button on the remote transmitter.
- Keypad displays "remote programmed"
- Keypad returns to normal operation mode
- Repeat for each transmitter

Deleting a codex remote transmitter

- Enter user programming.
- Select 9.
- Press # to select.
- Keypad displays "enter remote 1 to add 2 to delete".
- Press 2
- Keypad displays "enter number to delete"
- Enter remote number 01 to 32
- Keypads displays "press # to delete"
- Press # key
- Keypad displays " remote removed"
- Keypad returns to normal

NOTE THE BUTTON FUNCTIONS ON THE REMOTE ARE AN INSTALLER PROGRAMMING FUNCTION
The remote must be programmed from the keypad in the partition in which it is to be used

Partitioning and cross partitioning:

- To enter into the cross partition mode, press the * key, followed by valid 4-digit user code.
- Keypad displays "Enter part (1-4)" "0= arm 5= disarm".
- To temporarily place the keypad into a different partition, enter the partition number required.
- The keypad will now act as normal in the required partition, provided the user code is authorized in this partition..
- To return to default partition, repeat as above, and select the default partition or if no functions carried out on the keypad for 120 seconds, the keypad will automatically revert back to the default partition.
- Selecting the 0 key will arm all the partitions that user is authorized in simultaneously.
- If a partition is not ready, the keypad will switch to that partition and display the faulted zone, rectify or bypass the zone.
- Press * key again followed by 0. All partitions will now arm.
- Keypad displays "Armed p? ? ? ?" "Exit now".
- Selecting the 5 key will disarm all partitions that the user is authorized in.

Viewing partition status:

- Press the * key, followed by valid 4-digit user code.
- Keypad displays "Enter part (1-4)" "0= arm 5= disarm".
- Enter 9.
- Keypad displays "Armed ? ? ? ? ", "Alarm ? ? ? ? ", indicating the armed partitions and the partitions that are in an alarm condition.