Protecting your future

axess

Installation Manual

Protecting your future

X-Series
WIRELESS

Thank You For Choosing IDS to Protect You

Congratulations on your purchase of an IDS X-series alarm panel with aXess integration. IDS X-series panels are powerful, versatile and highly configurable security systems, which should be installed by a professionally trained installer.

This aXess Installation manual covers the aXess installation information and is not a complete X-Series guide. The majority of panel features are programmable only by an IDS-accredited installer in possession of the INSTALLER CODE. For information on programming the X-Series Alarm panel please refer to the appropriate manual. All user manuals can be downloaded from www.idsprotect.com. Installer manuals can be downloaded if you are registered with IDS as a company and have created an account on the website.

Features

- Controls up to 8 doors
- Arm/Disarm the X-Series alarm via an access control tag (Hold tag for 3 seconds on the reader)
- Deny access if the alarm is armed
- Forced door alarm
- Fire doors
- Access areas even if disconnected from the X-Series alarm panel
- Readers can be configured to be Arm/Disarm only, Access Only or both
- Transactions can be viewed from the keypad

Introduction

aXess is the perfect way to extend the functionality of an alarm panel by including access control for up to eight doors. Each door has an interface that can be installed in two configurations:

1. Two readers: one on each side of the door for entry and exit.
2. One reader: one for entry and a push button for exit.

Access tags can be linked to alarm codes to be able to arm and disarm the alarm.

Clear Interface Memory

When powering up for the first time and the aXess readers do not show the correct LEDs short the "RESET" jumper (see fig 3) for three seconds.

Installer Mode

Note: Only LCD keypads can be used to program aXess locations

Location 259 has been set aside for access control configuration.
Enter 'Installer Mode' and location

- [9][9][9][9][*]
- Enter location [2][5][9][*]

Enrolling Doors

This sub location is to identify each door to the alarm system and allocate each door with a number.

- Use the scroll button to scroll to "Enrol Door".
- Enter [door number][*]
- Swipe card (Any card, learnt or not, to identify the physical reader to the system)

Remove Door

- Use the scroll button to scroll to "Remove Door".
- Enter [door number] [*]

Door Configuration

This sub location is to allocate each door to a partition, to set the lock strike time in milliseconds, and to set a zone number if the door is to be monitored for forced/propped door and will operate as a normal alarm zone on the panel. Use the scroll button to scroll to "Config Door"

- Enter [door number][*]
- Enter [partition number][*]
- Enter strike time in milliseconds [ms] [*]
- Enter [zone number] [*] - this is optional. If used, 'Door Switch enabled' must be 'Y' in the Advanced Door Configuration.

Advanced Door Configuration

Use "Advanced configuration" to enable or disable certain permissions, access types, and door settings.

- Use the scroll button to scroll to "Config Door Adv"
- Enter [door number][*]
- Select the door's options shown in the table below by scrolling and pressing [*] to enable 'Y' or disable 'N'

Table 1: Door Configuration

Opt	Description	Default
1	Door Switch enabled	N
2	Silence the reader	N
3	Deny entry if armed	N
4	Enable as an Arm reader to arm/disarm the alarm	N
5	Enable as an Access reader	Y
6	Fire door	Y
7	Allow access if interface is disconnected from the system	N
8	Enable/Disable Door left Open Beep	Y
9	Enable/Disable forced door monitoring	Y

Door Switch Enabled – Enable this setting if a door contact is installed and you want to allocate a zone to the door to monitor the door for forced open or held open situations.

Deny Entry if Armed – When enabled this option will disable the system from allowing anybody access through the door if the door is allocated to the armed partition.

Arm/Disarm Reader – When enabled this option allows a tag allocated to an arm/disarm user code to arm or disarm the system, depending on the state of the alarm, by holding the tag for three seconds in front of the reader.

Access Reader – When disabled the reader will not function as an access reader. If the reader is an arm/disarm reader and access is disabled it will allow the alarm to be armed or disarmed.
Note: The tag must have been allocated a valid alarm user code (defined below). The user code properties will define the mode or type of arming.

Fire Door – If a door is enabled as a fire door and a fire alarm is triggered all fire doors will automatically unlock

Off Line Mode – if the interface loses communication with the panel due to a break in the communications bus line, it will continue to operate as an access reader, but arm / disarm functionality will be disabled, and arm status will not be shown.

Door Left Open Beep – If the door is monitored by a door magnet (Door Switch must be enabled) and left open for 30 seconds the reader will beep for 15 seconds to draw attention to the door being open. Disable if this feature is not required

Forced Door Monitoring – This feature will raise an alarm if the door is opened without presenting an authorised tag first. Door contact must be enabled and configured.

Master User Menu

Enter "Master User" menu:

- Hold down [*] until beep
- Enter Master user code [1] [2] [3] [4] [*]
- aXess control menus are:
  - Menu 32 "Add/Edit Card" by typing in the tag number
  - Menu 33 "Add/Edit Card" by Swiping the tag
  - Menu 34 " Delete Card"
  - Menu 35 "Delete Card by swipe"
  - Menu 36 "View Transactions"

Option 32: Adding Access Tags

Menu option 32 allows the adding of access tags to the system or the editing of existing tags. The procedure to add a tag is to enter the tag's number, allocate it to a user code and any of the eight doors where the tag may be presented.

- Enter [3] [2] [*]
  - Enter the [card number] [*]
  - Select the doors by entering the [door number] [*] to enable 'Y' and by entering the [door number] [*] to disable '-'

Table 2: Door Selection

Door	1	2	3	4	5	6	7	8
Default	Y	-	-	-	-	-	-	-

- o To select a door number press the number on the keypad followed by [*]
- o Once all selections are made press [*] to exit door/arm selection
- o Enter [user code] then [*]. (If no user code press [*]

Option 33: Adding Access Tag by swiping the tag

Menu option 33 allows the adding of access tags to the system or the editing of existing tags by swiping the tag. The procedure to add a tag is to swipe the tag on a reader, allocate it to a user code and any of the eight doors the system is monitoring.

- Enter [3] [3] [*]
  - o Enter the [Door No] [*] that will be used to swipe the tag
  - o Swipe card, if card number is correct, [*]
  - o Select the doors by entering the [door number] [*] to enable 'Y' and by entering the [door number] [*] to disable '-'. See Table 2 Door selection
  - o Once all selections are made press [*] to exit door/arm selection
  - o Enter [User Code] then [*]. (If no user code press [*])

Option 34: Deleting Access Tags

This menu option allows the user to remove a card from the reader

- Enter [3][4][*]
  - o Enter the [card number][*] to delete the tag

Option 35: Delete Access Tags via Swipe

This menu option allows the user to remove a card from the reader if the card is available

- Enter [3][5][*]
  - o Enter the door number that the action will be carried out
  - o Swipe the card to be deleted

Option 36: View Transactions

This menu option allows the master user to view the log of transactions for a specific door. The most recent transaction logged will be the first event displayed. To view older transactions the back scroll button can be used and once you have scrolled back the forward scroll button can be used to go forward to the most recent entry. The keypad will give an error beep if there are no transactions or the last recorded one has been reached.

- Enter [3][6][*]
  - o Enter the door [number] of the transactions you want to view followed by [*]

Reader Feedback

Each access reader has three different colour LEDs, Red, Yellow, Green and a buzzer to communicate feedback to users of the system depending on the type of reader

Figure 1: aXess Reader LEDS
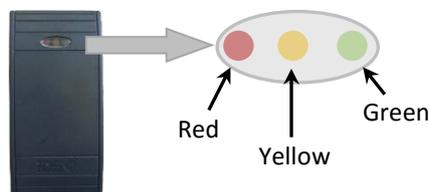
Red   Yellow   Green

Arming Only Reader

Table 3: Arming Only Reader LEDs

Action Description....	ARMING ONLY READER			
	Red	Yellow	Green	Beeper
Factory Reset	All 3 LED's flashing in sync			None
Enrol Mode	Flashing in sync with Green LED	Flashing out of sync with Red/Green LED's	Flashing in sync with Red LED	Single beep when *any* tag swiped
Idle	Following Partition's ARM LED	ON if comms to panel is good.	Following Partition's READY LED	None
Learn Tag Mode	Following Partition's ARM LED	ON if comms to panel is good.	Flashing	Single beep when tag swiped
Door Forced	Following Partition's ARM LED	ON if comms to panel is good.	Following Partition's READY LED	Failed Beep (if door switch connected and configured)
Door Left Open	Following Partition's ARM LED	ON if comms to panel is good.	Following Partition's READY LED	Door Left Open Beep (if door switch connected and configured)
Tag held in field (Arming Time)	Following Partition's ARM LED	Slow Flash	Following Partition's READY LED	None

Access Only Reader

Table 4: Access Only Reader

Action Description....	ACCESS ONLY READER			
	Red	Yellow	Green	Beeper
Factory Reset	All 3 LED's flashing in sync			None
Enrol Mode	Flashing in sync with Green LED	Flashing out of sync with Red/Green LED's	Flashing in sync with Red LED	Single beep when *any* tag swiped
Idle	Following Partition's ARM LED	ON if comms to panel is good.	Following Relay	None
Learn Tag Mode	Following Partition's ARM LED	ON if comms to panel is good.	Flashing	Single beep when tag swiped
Access Granted (Relay On)	Following Partition's ARM LED	ON if comms to panel is good.	Following Relay (On whilst Relay is On - Strike Time)	Single beep when *valid* tag swiped
Access Denied	Solid On for 2s	ON if comms to panel is good.	Off	Failed Beep
Door Forced	Solid On for 2s	ON if comms to panel is good.	Off	Failed Beep (if door switch connected and configured)
Door Left Open	Following Partition's ARM LED	ON if comms to panel is good.	Off	Door Left Open Beep (if door switch connected and configured)
Tag held in field (Arming Time)	Not Available			

Access & Arming Reader

Table 5: Access & Arming Reader

Action Description....	ACCESS & ARMING READER			
	Red	Yellow	Green	Beeper
Factory Reset	All 3 LED's flashing in sync			None
Enrol Mode	Flashing in sync with Green LED	Flashing out of sync with Red/Green LED's	Flashing in sync with Red LED	Single beep when _any_ tag swiped
Idle	Following Partition's ARM LED	ON if comms to panel is good.	Following Relay	None
Learn Tag Mode	Following Partition's ARM LED	ON if comms to panel is good.	Flashing	Single beep when tag swiped
Access Granted (Relay On)	Following Partition's ARM LED	ON if comms to panel is good.	Following Relay (On whilst Relay is On - Strike Time)	Single beep when _valid_ tag swiped
Access Denied	Solid On for 2s	ON if comms to panel is good.	Off	Failed Beep
Door Forced	Solid On for 2s	ON if comms to panel is good.	Off	Failed Beep (if door switch connected and configured) and X-Series will go into alarm
Door Left Open	Following Partition's ARM LED	ON if comms to panel is good.	Off	Door Left Open Beep (if door switch connected and configured)
Tag held in field (Arming Time)	Following Partition's ARM LED	Slow Flash	Following Relay	None

Diagrams

Figure 2: Interface Inputs Wiring Diagram
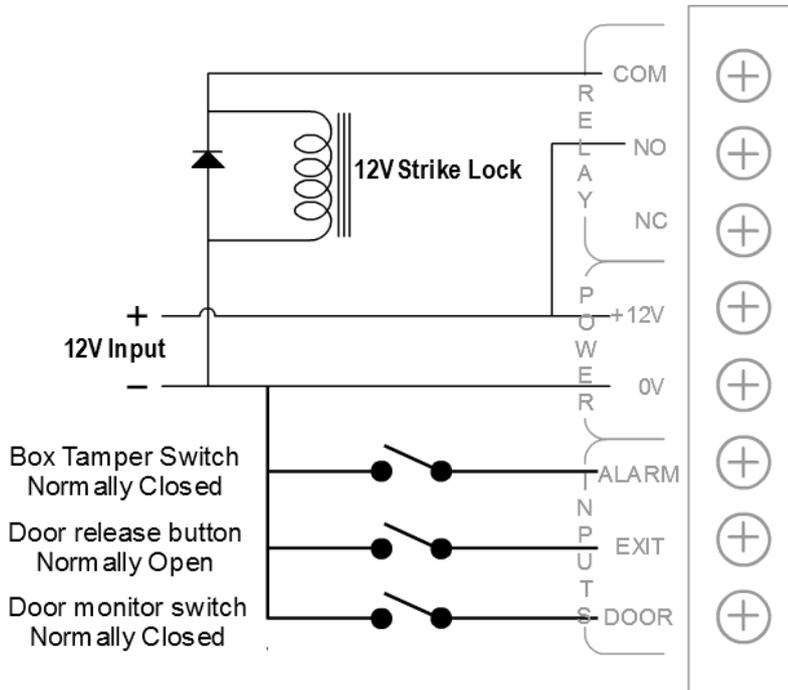
Figure 3: Tag Reader Wiring Diagram

Figure 4: **Jumpers**

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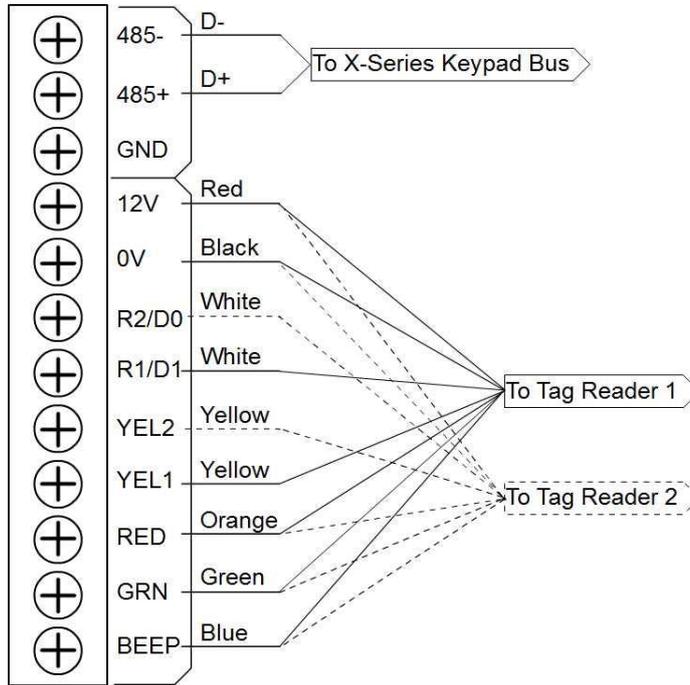
X-Series
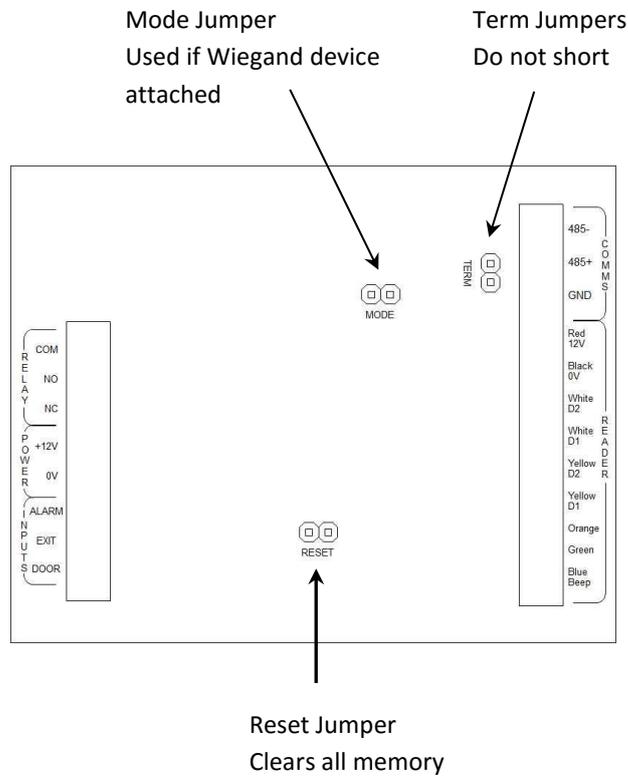
Warranty

Inhep Electronics Holdings (Pty) Ltd guarantees all IDS Control Panels against defective parts and workmanship for 24 months from date of purchase. Inhep Electronics Holdings shall, at its option, repair or replace the defective equipment upon the return of such equipment to any Inhep Electronics Holdings branch. This warranty applies ONLY to defects in components and workmanship and NOT to damage due to causes beyond the control of Inhep Electronics Holdings, 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 Holdings Service Centres.
DO NOT return the metal enclosure.

The **X-Series Products** are a product of IDS (Inhep Digital Security)
and is manufactured by
Inhep Electronics Holdings (Pty) Ltd

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

This is a professional product, and due to the nature of the product, should only be installed by an accredited professional Alarm Installer.

Help Desk Number: 0860 705137*
*Please note that this is NOT a toll free number

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