

# Cardax FT Remote Arming Terminal

The Cardax FT Remote Arming Terminal is a versatile, user-friendly, keypad interface designed to meet the requirements of high security alarms management.



The Cardax FT Remote Arming Terminal provides alarms management ability at the keypad. It allows users to monitor, arm (set) and disarm (unset) alarm zones, including perimeter fence zones, onsite for effective alarms management.

### Convenient and Secure User Logon/Log-off

There are two alternative methods for logging onto a Cardax FT Remote Arming Terminal:

- If a card reader is associated with the Cardax FT Remote Arming Terminal, authentication is provided by the cardholder badging their card, or badging their card and entering their PIN number.
- If there is no associated reader, the user enters a user code of up to 8 digits specifically set up for the Cardax FT Remote Arming Terminal access.

### Auto-Logoff

The Cardax FT Remote Arming Terminal can be configured to

automatically log off after a time period of inactivity. Users can also log-off quickly by pressing Ø key on the keypad.

### Duress Logon

Logon under duress to a Cardax FT Remote Arming Terminal is recognised. An alarm is reported should a user be forced to logon to a terminal.

### User Privilege

All Cardax FT Remote Arming Terminal functionality can be separately privileged to specific users ensuring maximum security is maintained at all times. Users can only view information and perform actions which they are privileged to view and perform.

### User Friendly Interface

The Cardax FT Remote Arming Terminal includes a back-lit, graphical LCD and a back-lit keypad. The LCD screen features five lines of text, and one line of menu items, visible over a wide viewing angle.

The LCD screen displays prompts, time and date, and feedback messages in 'plain English' for ease of use. The Cardax FT Remote Arming Terminal also features context sensitive function keys.

### Arming and Disarming Zones

Zones can be armed and disarmed individually or all at once depending on user privileges.

### Arming

Zones can be armed in three different ways:

- Auto isolate alarm zones – Any inputs open at the time of arming will not generate alarms while the alarm zone is armed
- Force arm alarm zones – When the alarm zone is armed, any points in alarm state are reported as alarms
- Arm – If any points are in alarm state at the time of arming, the alarm zone will fail to arm.

The 'exit delay' and 'entry delay' countdowns for the zone in which the Cardax FT Remote Arming Terminal

resides are displayed on the LCD screen.

### Viewing and Acknowledging Alarms

Users can view an outstanding alarm list, sorted in order of priority, then in chronological order. Alarm details are displayed on the LCD screen and include the date, cause and location of the alarms. A user acknowledges an alarm by pressing the 'ACK' key. When an alarm has been acknowledged it is immediately removed from the list of alarms.

The Cardax FT Remote Arming Terminal may be configured to sound a warning beep when alarms are in the system.

### Viewing Alarm Zones and Inputs

Users can view the current status of alarm zones. Users can also view the status of inputs and 'shunt' (bypass) inputs according to their privilege settings.

### Viewing the System Summary

The 'System Summary' screen provides a summary of the state of all the Alarm Zones that a user has access to.

The system summary includes:

- Total number of outstanding alarms
- Number of Alarm Zones in security state, (i.e. armed)
- Number of Inputs not shunted/not isolated
- Number of Inputs shunted/isolated
- Current date and time

### Connectivity and Communication

Up to 4 Cardax FT Remote Arming Terminals or PowerFence™ Trophy FT Keypads can be connected to each GBUS port.

Each Cardax FT Remote Arming Terminal can control up to 30 Alarm Zones (Areas) and up to 100 Inputs located on any Cardax FT Controller.

The Cardax FT Remote Arming Terminal can control Alarm Zones and inputs on all Controllers residing on the same Local Area Network (10BaseT).

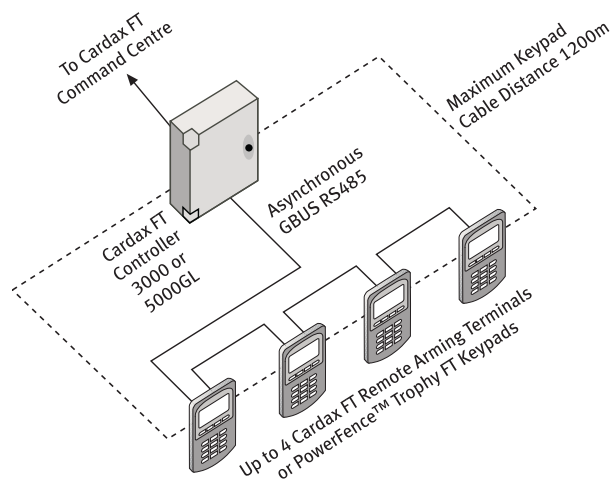
The Cardax FT Remote Arming Terminal connects to the Cardax FT Controller 3000 or 5000GL via asynchronous RS485.

Communications speed is 38,400 bits per second. The maximum length of data cable from the Cardax FT Controller to the last attached Cardax FT Remote Arming Terminal is 1200m.

Care should be taken to ensure that the power supply voltage required to operate the Cardax FT Remote Arming Terminal is within the specified limits. This may mean a local power supply is required to the Cardax FT Remote Arming Terminal when the terminal is some distance from the Cardax FT Controller 3000 or 5000GL.

## Connectivity Diagram

### Cardax FT Remote Arming Terminal connecting to a Cardax FT Controller 3000 or 5000GL

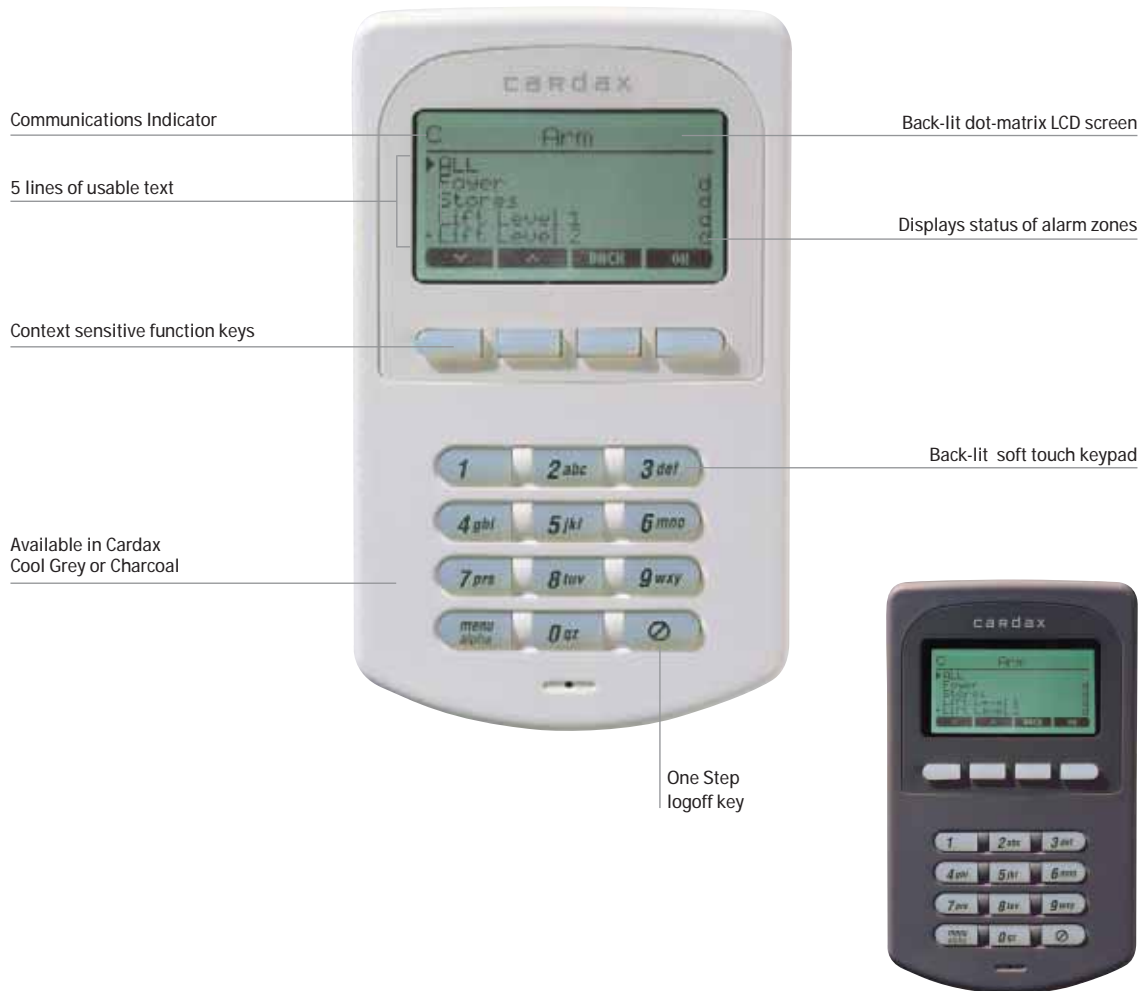


Advanced Alarm Zone Management features are incorporated in the Cardax FT Command Centre, the head end of the system, allowing the guard to either access the Command Centre computer, or now, perform such operations at the Cardax FT Remote Arming Terminal. System configuration, network capacities and the volume of the system activity affect performance. Please contact Cardax Technical Support for advice.

### Key features of the Cardax FT Remote Arming Terminal

- A key pad for PIN entry and arming and disarming alarm zones
- One step logoff key for quick and simple exit
- A graphical LCD capable of displaying messages and prompts
- Context sensitive function keys enabling the user to perform actions which they are privileged to perform.

### Cardax FT Remote Arming Terminal



#### Data Security

The Cardax FT Remote Arming Terminal communications use 40 bit AES encryption as standard. A high security option is also available.

#### PIN support for a Reader

The Cardax FT Remote Arming Terminal may be configured as a PIN pad to support reader plus pin functionality where it is desirable to encrypt the transmission of the PIN.

#### Housing Colour Choice

To suit a wide range of installation environments the housing is available in Cardax Cool Grey or Cardax Charcoal.

Installation is recommended in internal environments.

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**TECHNICAL SPECIFICATIONS**

**Cardax FT Remote Arming Terminal**

<b>Power Supply</b>	Voltage	13.6 V DC $\pm$ 15%
	Current	110 mA with LCD and backlighting set to 100%
<b>Communications</b>	Standard (High security option available)	40 bit AES
<b>Cable Specifications</b>	Communications	CAT5 (1200m) or similar
	Power	Dependent upon distance from power supply
<b>Connector</b>	2x RJ12 (allowing loop-through to additional Terminals)	
<b>User Interface</b>	Display	Back-lit, graphical LCD
	Keypad	Back-lit keys with soft key function
<b>Language Supported</b>	English	
<b>Temperature Range</b>	-10 to +40 °C (14 – 104 °F)	
<b>Dimensions</b>	Height	175mm
	Width	103mm
	Depth	35mm
	Shipping Weight	500 grams
<b>Environmental Protection Rating</b>	IP20	

**Compliance Standards**

C-Tick, CE, FCC

Compliance with other international standards will be proven as required. Please contact Cardax for the latest list of approvals. All Cardax FT products must be installed in accordance with the Installation Notes to comply with international standards.



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