ACI 500 Series Identification Devices Keypads

- **For access control where code only is requested**
- **Robust design**
- **Tamper proof**
- **Keypad to controller configuration**
- **For indoor or outdoor applications**
- **Two different technologies :**
  - Scrambled digits - ACI 515
  - Normal keypad - ACI 505

ACI 505

ACI 505

The keypad can be mounted beside the door to be controlled. Anyone requesting access must enter a personal identification number (PIN) at the keypad.

The keypad is connected to an Aritech controller which contains the electronics to release the door.

ACI 505 - Aluminium keypad
The electronics are mounted in an aluminium housing which is designed to resist weather and vandalism.

The keys are engraved stainless steel. It is suitable for all kinds of environments, indoors or outdoors, and has a built-in heater to keep the unit ice-free. If the keypad is opened, a tamper contact will transmit an alarm to the controller. The keypad is surface mount only.

ACI 515 - Scramble digit keypad
The keypad's design prevents the code entered being observed by unauthorised persons. Unlike conventional keypads there are no surface markings on the keys. Each time the keypad is used, the digits 0 to 9 are allocated at random to the keypad's 10 positions. Only the user standing directly in front of the keypad can see the digits displayed so that observing which keys are pressed will not reveal the code to a potential intruder.

The housing is made of ABS plastic and the keyblock is made of polyurethane. The unit can be surface or flush mounted and accessories for the different applications are available as separate products.
The keypad must be connected to the ACA 102 interface to operate with the Aritech controller.

Functionality
The Aritech access control system permits the programming of PIN codes of up to six digits. The keypad can be used to :

- Open a door for valid codes during certain hours
- Arm/disarm an intruder alarm system

The keypads have LED indicators to give the user information about the status of the system. Each keypad controlled access point in the system can be programmed to :

1. Door open - unlocked
2. PIN code only to access

These levels can be set to operate according to a time schedule stored in the controller.

How to order

ACI 505	Aluminium keypad with built-in heater and mounting plate
ACI 515	Scrambled keypad

Accessories (see separate leaflet for more detailed information)

ACA 000	Rain protection hood for outdoor applications of the keypads
ACA 001	Request to exit button, surface mounted
ACA 511	Surface mounting kit for scrambled keypad ACI 515
ACA 512	Flush mounting kit for scrambled keypad ACI 515
ACA 102	Wiegand code interface for connection of ACI 515 to Aritech controller - translates Wiegand code to current loop communication

Technical Data

	ACI 505	ACI 515
Supply voltage	12 V dc (from the controller)	12 V dc (from the controller)
Current consumption Indoor Outdoor (heater active)	 45 mA 85 mA	 500 mA No heater
Cable ACI 505	Keypad - Controller :	4 wires, twisted pair, shielded
Cable ACI 515	Keypad - ACI 102 Interface : Interface - Controller :	7 wires, twisted pair, shielded 4 wires, twisted pair, shielded
Cable other equipment	Request to exit button - Controller : Electric lock - Controller : Door contact - Controller :	2 wires 4 wires 2 wires
Operating temperature	-25 to +70 °C	-15 to +50 °C
Programming	- Via keypad - Via hand-held terminal connected to the controller - Via application software in Personal computer (Windows) - Via modem and software in Personal computer (Windows)	(Not available on ACI 515)
Dimensions	87 x 67 x 23 mm	140 x 110 x 75 mm
Weight	350 g	475 g
Communication	Current loop 20 mA (with controller)	Wiegand code to interface, current loop 20 mA (with controller)

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