

ATS1197

ATS Smart Card Reader with keypad

Product Overview

The ATS smart card readers connect directly on the RS485 data bus of the control panel or 4 Door Controller and may be configured and addressed via a LCD keypad. Some security options (Site code & 4-byte security code) are only programmable via TITAN and configuration cards. Mainly used for outdoor applications in high security sites where needs to be used a combination of a card and PIN for access.

Security features

The ATS smart card technology has the ability to programme a unique 4 billion, 4-byte, combination security code. This allows the memory card to unlock/open/disarm based on three keys; the card number, the Site code and the 4-byte security code. Once a 4-byte security code has been created, downloaded to the programmer and the cards, it is not possible to read the memory on the card or even recognise the card memory at any other reader or TITAN and programmer combination. Communications between TITAN and the programmer may also be password protected to prevent the 4-byte security code from being uploaded from the programmer into another PC running TITAN.

Read/write encryption

The ATS Smart card technology also features an exclusive read/write encryption. When a card is presented at a reader, data are downloaded into the reader, encrypted and re-written back into the card. The readers can also be configured to operate in stand-alone or connected to control devices like office equipment or vending machines. This function enables credits to be assigned on user cards and deducted by the readers, purely on a usage basis. Up to 65535 credits may be allocated in up to 4 different banks with 16 access levels and 4 locations. The reader determines of which bank credits have to be deducted and the number of credits per valid presentation.



Standard Features

- **Full epoxy filled weather proof construction**
- **Keypad**

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Specifications

Supply voltage	8.5 - 14 VDC
Current consumption	40 - 110 mA
Open collector output	1(50 mA max)
"Request to exit" input	Yes
Max. distance from panel	1.5 km
Max. number per panel bus	16
Specified cable	Aritech WCAT 52/54 or equivalent
Data bus monitoring	Continuously monitored for offline condition of all devices on data bus
Addressing	Via keypad, TITAN or config. card
IP rating	IP66
Dimensions (W x H x D)	140 x 121 x 22 mm
Operating temperature	-40° to +50°C (32° to 122°F)
Colour	Dark grey
Programmable OC output	pulse from 1 msec to 2.5 secs time from 1 sec to 193 days latch
Connectivity	RS485 data bus device or standard Wiegand for connection on the 4 reader inputs of the ATS1250
Read range (cm)	6 - 10
Pry-off tamper	Yes
Epoxy-filled weatherproof construction	Yes

Multiple Card Badging

The ATS1197 can be used for arming/disarming areas as well as for access application. It is suitable for using the multiple card badging techniques which are available for the advisor MASTER control panel family. A user could arm the system in the evenings by badging his card three times within 10 seconds interval. Another application could be for doors which can be programmed so that badging once unlocks, badging twice with the same card keeps the door unlocked to allow people in and out without card, and badging three times re-locks the door.

Ordering Information

Part No.	Description
ATS1197	ATS Smart Card Reader with keypad supplied with 2 m cable



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IPS-ATS1197-2006-06-16 11:03:09 Released : 12.05.2006;