ATS1190

Smart card reader with 2.5 m cable

Product overview

The ATS1190 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. The ATS1190 is supplied standard with a white removable dress cover, which can be interchanged with one of four other colours available (see Ordering Information).

High quality cards & key fobs

Both the smart chip and antenna are embedded inside the cards & fobs. Printing is possible on the cards using any industry standard printer. The ATS1472 cards feature a programmable magnetic stripe for Time & Attendance or other applications.

Security features

The ATS smart card technology has the ability to program a unique 268 million, 4-byte, combination security code (values from 0 through 127 are applicable for EMEA). 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.

Multiple card badging

The ATS1190 smart card reader can be used for arming/disarming areas as well as for access applications. 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.



Details

- Full epoxy filled weather proof construction
- Standard white snap-on cover (optional red, black, beige, grey)
- Specified cable: Aritech WCAT 52/54 or equivalent
- Compatible with Axon and Advisor Advanced panels

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Technical specifications

System

Reading distance	6 to 8 cm
Max. reader distance to panel	1.5 km
Supported card types	HiTag2
Addressing type	Card Addressing, Keypad Addressing, Software Addressing
No. of LEDs	1 blue LED, 1 red LED
No. of covers included	1 white cover
Reader accessory	Optional Color Covers

Technology

Reader type	Proximity, Smart Card
Reader operating-transmitting frequency	125 KHz
Supported technology 125 kHz	HiTag 2

Interface & connections

Interface	ATS RS-485, Wiegand
Connector type	Pigtail
Pigtail length	250 mm

Inputs/outputs

Inputs	Request to exit
Outputs	1 Open Collector (25 mA)

Tamper type

Pry-off tamper	Yes

Operation

PIN keypad	No

Electrical

Operating voltage	9 to 14 VDC
Current consumption	25 mA typical 80 mA max.

Physical

Physical dimensions	36 x 110 x 20 mm
Net weight	200 g
Colour	White
Material	Plastic
Mounting Type	Surface mount

Environmental

Vandal proof	No
Operating temperature	-35 to +66°C
Relative humidity	93% noncondensing
Environment	Indoor, Outdoor
IP rating	IP54

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Last updated on 18 June 2026 - 14:24