

# Standalone Barium Ferrite Card Readers

26SA / 28SA-Plus



The legendary TOUCH CARD® reader is one of Secura Key's major contributions to Access Control. Secura Key replaced unreliable reed switches and pickup coils with an array of self-calibrating Hall-Effect sensors, which read the polarity of magnetized locations on a Barium Ferrite card. The user places the card on a non-magnetic stainless steel plate, which eliminates the requirement for a card slot, and protects the circuitry from weather and vandalism. Extremely rugged weatherproof housings with high-security locks and steel mounting plates have kept these units in service for many years. They are still widely used in gate, parking, and telephone entry applications due to their reliability and simplicity.

## 26SA SINGLE DOOR ACCESS CONTROL

The 26SA single-door card access control unit is fully programmable. Adding and deleting cards, and other programming functions are accomplished by using a special deck of programming cards, another Secura Key innovation. Nonvolatile memory retains programming after a power loss.

A remote open input allows the door or gate to also be controlled from a remote switch. The reader operates on low voltage AC or DC and consumes less than 100 milliamps.

The 26SA may be used with the Secura Key SecuRelay™, which allows the lock or gate control circuit to be remotely located for added vandal-resistance. Lexan® surface mount housings are available.

## Features:

- 65,000 Card Capacity
- Weather Resistant for Outdoor Installation
- Patented Slotless TOUCH CARD® Reader
- No Control Panels or Secondary Electronics
- Low Power Consumption
- Non-Volatile Memory

### 26SA

- Timed Antipassback
- Remote Open Input

## 28SA-Plus SINGLE DOOR ACCESS CONTROL

The 28SA-Plus is a highly sophisticated, yet simple-to-use card access control unit for single or multi-door applications.

The unit may be programmed with a PC terminal program, either locally or with the use of a modem. Basic programming functions can also be accomplished by using programming cards.

Transaction information is stored by the unit and may be downloaded to a PC or serial printer. Up to 128, 28SA-Plus units can be connected together in a single twisted pair RS-485 network using the included RS-485 cable and SK-NET™ Software for Windows® XP/Vista/Window® 7.

A remote reader (SK-029W) may be connected to the 28SA-Plus to allow access control in both directions through a single passageway, including true IN/ OUT anti-passback capability.

Three inputs are provided which are user programmable as Door Monitor, Tamper Monitor, Remote Inactive, Remote Open, Arming Circuit, Bell, or User Defined. The Limited Use feature allows up to 4000 cards to be programmed to work for up to 500 uses, days, weeks, or days after the first use.

The 28SA-Plus has 15 Access Control Time Zones and one door-unlock Time Zone. Each time zone covers a full week of access control plus Holidays in ½-hour segments. Daylight Saving Time is selectable to meet new or future requirements.

### 28SA Plus

- 5,000 Stored Transactions
- 15 Time Zones / 32 Holidays
- Connect up to 128 Units with included RS-485 Cable and SK-NET™ Software
- Audit Trail - Upload to PC or Connect to Serial Printer
- Modem Capability for Remote Locations
- TCP/IP Capability for LAN Connection
- True IN/OUT or Timed Antipassback
- Three programmable inputs

# TOUCH CARD® SPECIFICATIONS

## Standalone Barium Ferrite Readers

	26SA	28SA-Plus
Surface Housing	<b>H x W x D:</b> 4.60" x 4.00" x 2.25" (11.68 x 10.16 x 5.72 cm) <b>Weight:</b> 20 oz. (0.57 kg) <b>Material:</b> Lexan® <b>Color:</b> Beige	
Mounting	US single-gang box, wall, post, pedestal	
Power Requirements	10-24 VDC or VAC 50/60 Hz, 70 mA	12-24 VAC or DC, 125 mA; With Remote Reader (SK-029W) 12-16 VAC or DC, 250 mA
Latch Relay	SPST Solid-state contact, 1A, up to 60VAC/VDC Programmable NO or NC or use SecuRelay™	Latch & Alarm Shunt DPDT Form-C contact, 3A, up to 277 VAC or 30 VDC
Inputs	Remote Open (REX) – requires contact closure	Aux 1 (Door Monitor), 2, 3 requires contact closure
Communications	NA	RS-232 – Modem, Serial Printer, SK-LAN adapter RS-485 - Use Network Cable (included) Remote Reader - 31 bit or 26 bit Wiegand input
Cable required	Power/REX/Latch – 7 cond., 22 AWG SecuRelay - 3 cond., 22 AWG	Power/REX/Latch/RS-232 (5 cond. shielded) RS-485 (single twisted pair) Inputs / Outputs – 2-cond. 22 AWG
Environmental	Operating Temperature: -40° to +158° F (-40° to +70° C) Relative Humidity: 0-100% Non-Condensing	
Tamper	Attach to mounting plate - SPDT contact, 115 VAC, 2A max. (sold separately)	
SecuRelay™	3-wire data & power circuit (sold separately)	N/A
User Capacity	65,000 sequentially numbered cards	
Facility Codes	10 (card ID numbers must be unique)	3 (card ID numbers must be unique)
Memory	Non-Volatile (Programming retained, even if power is lost)	
Operating Modes	Standalone	Standalone or Networked using RS485 Cable (included) and SK-NET™ software
Latch Timer	Programmable: 1/4 to 30 seconds – NO or NC	Latch/Alarm Shunt Timer Programmable from 1/4 to 30 seconds
Timed Antipassback	Timed - Programmable 1 to 30 minutes	Real or Timed (1 to 30 minutes) hard or soft
Programming	PD-26 Programming Deck	PD-26 Programming Deck, SK-NET™ software
Operational	NA	65,500 Cards, 5000 transactions, 15 Time Zones 32 holidays, automatic Daylight Saving Time.
Regulatory Approvals	UL/cUL294, Part 15 Class B FCC, CE Mark	
Warranty	These Secura Key products are warranted against defects in materials and workmanship for 2 years. Secura Key will replace any Secura Key manufactured product that fails to perform as intended. This warranty does not include freight, taxes, duties, or installation expenses. See price list for complete terms and conditions.	

## ORDERING

### ACCESSORIES

PD-26	Program Card Deck (Specify Facility Code)
SK-DCPWR	12 VDC Power Supply Board, Requires SK-XFRMR
SK-XFRMR	Plug-In 16.5 VAC Transformer
PMA	Post-Mount Adapter Plate
FMA	Flange-Mount Adapter Plate
SK-SR1	SecuRelay™ Intelligent Relay Module ( <b>26SA Only</b> )
TS	Tamper Switch
ST-1	Security Tool for Tamper-Resistant Screws
DTK-CR	Surge Suppressor, Card Reader or Keypad

### CARDS / KEY TAGS

SKC-06-2	Barium Ferrite Card, Sequential Numbering w/Fac. Code
SKK-06	Barium Ferrite Key Tag, Sequential Numbering w/Facility Code
SKC-06-6	Barium Ferrite Card, Dual Bond I.D. Flap, Sequential Numbering w/Facility Code
SKC-06-10	Barium Ferrite Card, Sequential Numbering & Facility Code w/Mag Stripe
PDC-50	Program Deck with 50 Matching SKC-06 Cards - Sequentially Numbered 1-50
Also available: PDC-100, PDC-200, PDC-300, PDC-500, PDC-1000	

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