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.

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.

Features:

**26SA**

- Timed Antipassback
- Remote Open Input

**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

**26SA**

- 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
## Specifications

### Surface Housing
- **26SA**: H x W x D: 4.60” x 4.00” x 2.25” (11.68 x 10.16 x 5.72 cm)
- **28SA-Plus**: H x W x D: 4.60” x 4.00” x 2.25” (11.68 x 10.16 x 5.72 cm)
- **Weight**: 20 oz. (0.57 kg)
- **Material**: Lexan®
- **Color**: Beige

### Mounting
- US single-gang box, wall, post, pedestal

### Power Requirements
- **26SA**: 10-24 VDC or VAC 50/60 Hz, 70 mA
- **28SA-Plus**: 12-24 VAC or DC, 125 mA; With Remote Reader (SK-029W) 12-16 VAC or DC, 250 mA

### Latch Relay
- **26SA**: SPST Solid-state contact, 1A, up to 60VAC/VDC Programmable NO or NC or use SecuRelay™
- **28SA-Plus**: Latch & Alarm Shunt DPDT Form-C contact, 3A, up to 277 VAC or 30 VDC

### Inputs
- **26SA**: Remote Open (REX) – requires contact closure
- **28SA-Plus**: Aux 1 (Door Monitor), 2, 3 requires contact closure

### Communications
- **26SA**: NA
- **28SA-Plus**: 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
- **26SA**: Power/REX/Latch – 7 cond., 22 AWG
- **28SA-Plus**: Power/REX/Latch/RS-232 (5 cond. shielded)
- **SecuRelay**: 3 wire data & power circuit (sold separately)

### Environmental Operating Temperature: -40° to +158° F (-40° to +70° C)
- **Relative Humidity**: 0-100% Non-Condensing

### Tamper
- **26SA**: Attach to mounting plate - SPDT contact, 115 VAC, 2A max. (sold separately)
- **28SA-Plus**: NA

### Facility Codes
- **26SA**: 10 (card ID numbers must be unique)
- **28SA-Plus**: 3 (card ID numbers must be unique)

### Memory
- **26SA**: Non-Volatile (Programming retained, even if power is lost)
- **28SA-Plus**: N/A

### Operating Modes
- **26SA**: Standalone
- **28SA-Plus**: Standalone or Networked using RS485 Cable (included) and SK-NET™ software

### Latch Timer
- **26SA**: Programmable: 1/4 to 30 seconds – NO or NC
- **28SA-Plus**: Latch/Alarm Shunt Timer Programmable from 1/4 to 30 seconds

### Timed Antipassback
- **26SA**: Timed - Programmable 1 to 30 minutes
- **28SA-Plus**: Real or Timed (1 to 30 minutes) hard or soft

### Programming
- **26SA**: PD-26 Programming Deck
- **28SA-Plus**: PD-26 Programming Deck, SecuRelay™ software

### Operational
- **26SA**: NA
- **28SA-Plus**: 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 (26SA Only)
- 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-06-10: 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-250, PDC-300, PDC-500, PDC-1000

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