



BS36, BS361



BS36



BS361

Overview

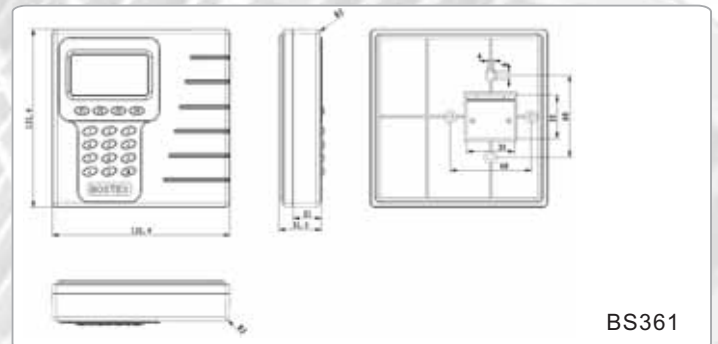
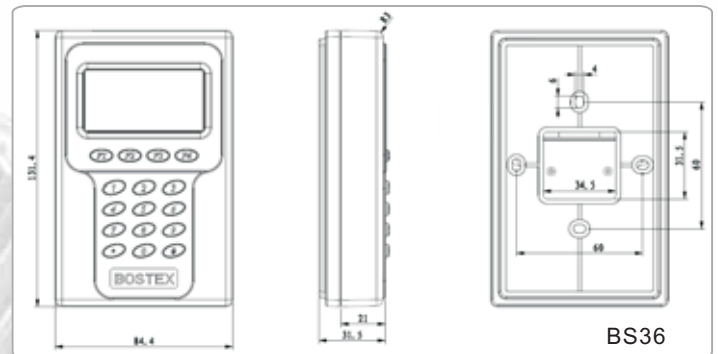
BS36 and BS361 provides an extremely powerful and user friendly stand-alone access control solution. Featuring an impressive 10,000 card capacity.

It offers many features found only in more expensive access control panels. An integral LCD and keypad not only provides the means to easily program and configure the unit but also displays access status messages and allows the implementation of PIN used in conjunction with the card, enhancing security further.

Features

- ★ Single door controller, controlling IN and OUT of a door.
- ★ Compact design takes up minimum space making for an unobtrusive solution.
- ★ Store up to 10,000 cards and 10,000 offline transactions.
- ★ Standalone Operation or Communicate with PC via RS485.
- ★ Block card add and delete feature significantly reduces programming time by allowing a series of cards to be managed in one step.
- ★ Supports "Toggle Mode". Changes the state of the lock relay output each time a card is presented. Can be used to activate and deactivate an intruder alarm or controlling on/off of large-scale electrical equipment.
- ★ Supports Anti-passback.
- ★ Supports Arm/Disarm function.
- ★ Programmable User Group, Time zone, Pin Access.
- ★ Intuitive menu system supported by integral backlit Graphic LCD and keypad.
- ★ Multiple language support.
- ★ Independently control lock strike, door ajar alarm and auxiliary equipment (such as an intruder alarm, video activation) without the need for additional equipment.
- ★ Supports built-in reader module such as EM, Mifare, HID, iClass+CEPAS (BS361 only), TI and CPU card.
- ★ CE Certified.

Dimensions (Unit: mm)



▶ Connection Diagram





BS36,BS361

Technical Specification

| Parameter | BS36 | BS361 |
|---------------------------|--|-------------------|
| CPU | 16 bits, 8MHz | |
| RAM | 512K Bytes | |
| Flash | 256K Bytes | |
| Number of Door | 1 | |
| Wiegand Reader Connection | 2 | |
| TTL Alarm Input | 1 | |
| Door Sensor | 1 | |
| Exit Push button | 1 | |
| TTL Alarm Output | 1, 5V/300mA | |
| Alarm Relay Output | 1, 12V/1A | |
| Door Relay Output | 1, 12V/1A | |
| Tamper Switch | 1 | |
| Card Capacity | 10,000 | |
| Record Capacity | 10,000 | |
| Serial COM Port | 2; 1 x RS485 connect to PC, 1 x RS232 connect to PC or other device | |
| Baud Rate | 1200~19200 bps. Default is 19200 bps | |
| Controller ID Setting | 001~255. Default is 1 | |
| Data Backup Battery | Rechargeable. Data retain up to 6 months without main power. | |
| Keypad | 4x4 (0-9, *, #, F1-F4); Blue Backlit | |
| LCD | 128x64 pixels Graphic; White Backlit | |
| Buzzer | 1; Audible sound able to distinguish between valid and invalid card. | |
| Supported Languages | English, Simplified Chinese | |
| Power Supply | 9~30VDC, 400mA | |
| Operating Environment | -10~50°C | |
| Dimensions | 132 x 85 x 32 mm | 132 x 132 x 32 mm |
| Weight | 230g | 260g |
| Casing | ABS flame-resistant | |
| Mounting | Wall surface mount | |

Functional List

| Function | BS36 | BS361 |
|---------------------------------------|------|--|
| Card Open Door | | Present card to external or built-in wiegand reader |
| Card+PIN Open Door | | Yes; Supports up to 8 digits PIN |
| Security PIN Open Door | | |
| Card ID Open Door | | |
| Connection to External Wiegand Reader | | Support 26/ 34 bit and free wiegand card reader |
| Free Wiegand Setting | | Yes. Able to configure card battery low-voltage alarm bit when using long range reader |
| Connection to PC | | Via RS485 (RS232 optional). |
| Exit by Push Button | | Yes; Supports time zone control. |
| Door Force Open Alarm | | Yes |
| Door Left Open Alarm | | 1-255 seconds. Factory default is 5 seconds. Alarm output can be disabled. |
| Add/Delete Card in standalone mode | | Yes |
| Multi-card Verification | | Yes, up to 8 cards |
| Wrong PIN Control | | During Card + PIN operation, if wrong PIN enter 3 times continuously, controller will disable for pre-define duration. |
| Same Card Delay | | Yes, 0-255 seconds. Factory default is 0 second. |
| Time Zone Control | | 32 sets of time zone |
| Holiday Control | | Yes |
| Lost/Inhibit Card | | Yes |
| Card Start and Expiry Date Validation | | Yes |
| Door Auto Unlock by Timezone | | Yes |
| Anti-passback | | Yes (Local or Global). Able to reset locally, or remotely |
| Timing Event (Alarm Clock) | | Yes |
| Alarm arming/disarm | | Yes |
| Anti Tailgating | | Yes |
| Time Error Correction | | Yes |
| Card Number Process | | 1-4 bytes. Default is 4 bytes |
| Card Number Display Format | | HEX, DEC, ABA, User Code. Default is DEC |
| Communication Monitoring | | Yes |
| Internal Buzzer Alarm | | Enable alarm buzzer when door force open or door left open alarm. Factory default is 'No'. |
| PIN Control | | Supports Exit with or without PIN Control by time zone. Factory default is 'Yes'. |
| Timezone Control | | Supports Exit with or without Timezone Control. Factory default is 'Yes'. |
| Tamper Alarm | | Built-in tamper switch. If controller is opened, controller will send an alarm status and record to the PC. |
| Door Left Open Restore transaction | | Yes |

Model Selection

| Model | Description |
|-----------|--|
| BS36 | Active RS485 Reader with LCD and Keypad |
| BS36-E | Active RS485 Reader, built-in EM Card reader, read range up to 5cm |
| BS36-M | Active RS485 Reader, built-in Mifare Card reader, read range up to 2.5cm |
| BS36-H(R) | Active RS485 Reader, built-in 125K HID Card reader, read range up to 2.5cm |

| Model | Description |
|------------|--|
| BS361 | Active RS485 Reader with LCD and Keypad |
| BS361-E | Active RS485 Reader, built-in EM Card reader, read range up to 5cm |
| BS361-M | Active RS485 Reader, built-in Mifare Card reader, read range up to 2.5cm |
| BS361-H(R) | Active RS485 Reader, built-in 125K HID Card reader, read range up to 2.5cm |
| BS361-IC | Active RS485 Reader, built-in iClass+CEPAS+Mifare(CSN) Card reader, read range up to 2.5cm |

Accessories

| Model | Description |
|-------|---|
| BSDU | Remote Door Unit install in secure area to connect Door Sensor, Push Button, Alarm Input, Door Lock and Alarm Output. |