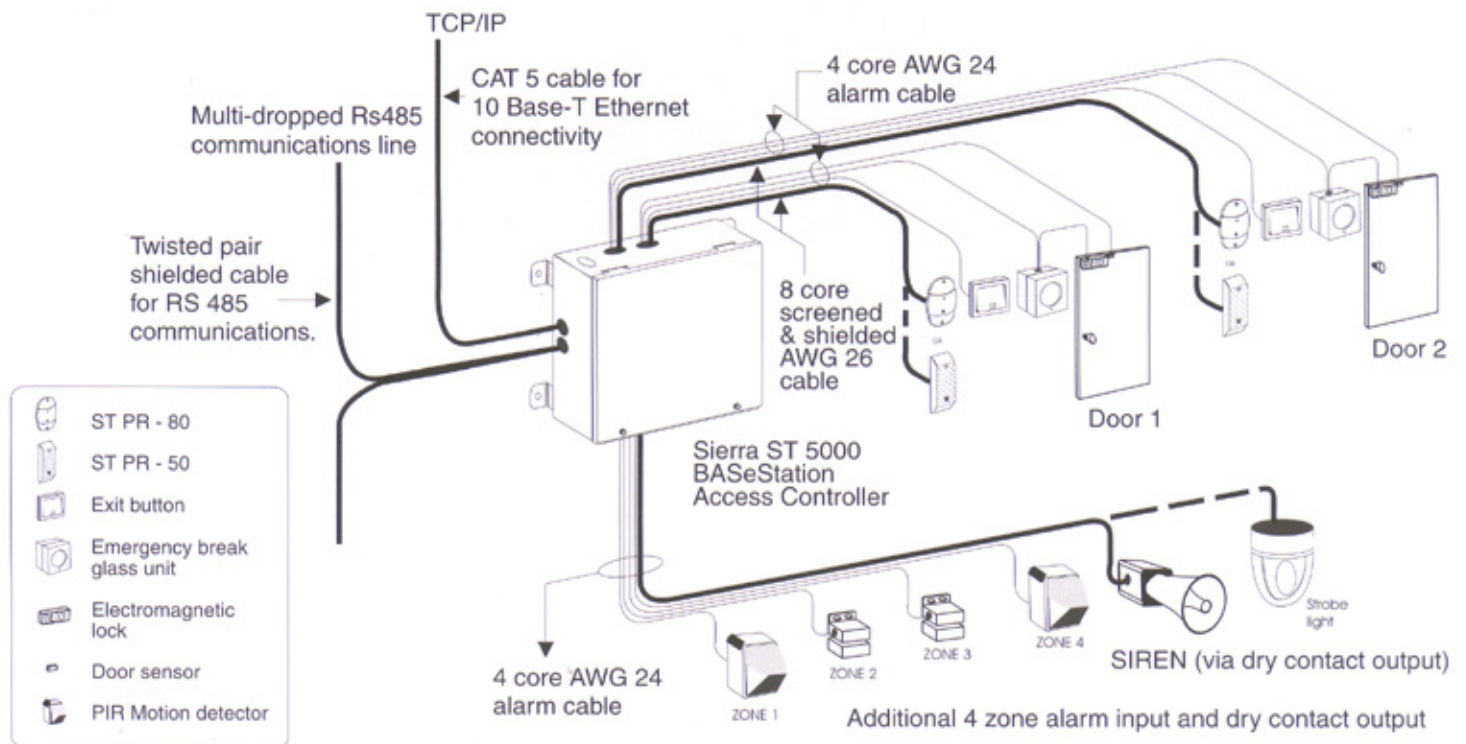


# Sierra Technology ST5000 BASeStation

## ST5000 BASeStation Connectivity Diagram

for typical access control application



### Key Features

- ▶ Control 2 doors with in/out readers. Monitoring for up to 4 additional door contacts with auxiliary relay output.
- ▶ Network or autonomous operations.
- ▶ Multiple choice of reader technologies. Proximity, contactless, Wiegand & Smartcard.
- ▶ Large memory capacity. 2,000 cardholders & 5,000 transactions. Expandable to 10,000 cardholders & 20,000 transactions.
- ▶ 6 digit card number, expandable to 10 digit.
- ▶ Up to 6 digit PIN number.
- ▶ Operation modes: Card only, Card & PIN, PIN only.
- ▶ Up to 100 weekly schedule with 3 daily intervals.
- ▶ Up to 1290 definable Access Levels.
- ▶ Integrated power supply modules. Monitor AC failure and low battery. Battery cutoff feature. 5A supply. Able to drive 4 electromagnetic lock.
- ▶ Built in surge arrester for communications interfaces and input power supply.
- ▶ Built in tamper switch in controller casing.
- ▶ Extensive features via BASe3000 software.

- ▶ Network via RS485 or Ethernet TCP/IP.

- ▶ Easy installation with fully detachable connectors. Low complexity. Only one
- ▶ Fully scalable design.

### Technical Specifications

- ▶ Power supply : 15V AC
- ▶ transformer. 15VAC
- ▶ SRAM : Battery-backed 128K exp. to 512K
- ▶ Data retention: up to 4 weeks.
- ▶ ROM: 64K Flash
- ▶ Communications: RS485/RS232. Optional Ethernet RJ45 connectivity
- ▶ Clock: Battery backed Real time clock.
- ▶ Housing: Mild steel epoxy coated. 520mm(H) 342mm(L) 120mm(W).
- ▶ Supply Power: 5A continuous. (To supply power to up to 4 EM locks and 2x 12V,7AH sealed lead acid battery)
- ▶ Operating Temperature: 0~60C
- ▶ Humidity 95% non condensing.

### Workstation (Minimum requirements)

- ▶ Pentium III 450Mhz PC
- ▶ 128MB RAM
- ▶ 1GB HDD
- ▶ 14" SVGA Monitor.
- ▶ Network Card (NE2000 compatible) 10/100BaseT
- ▶ 2-8 Serial Comm ports.
- ▶ Windows 98/Window 2000 or higher platform.

### Reader Requirements

- ▶ Wiegand Reader :44bit
- ▶ Recommended Sierra PR50, PR80. PR52K with keypad & LCD.
- ▶ Mifare Readers: Sierra MR50, MR80, MR1115 (with LCD/Keypad)
- ▶ Barcode 3/9, 2/5
- ▶ Magnetic: ABA track 2

