



Eight Door, Eight Reader Access Controller Model 800SN , S Series, V4, Advanced Range



Features

1. 32 bit TI ARM® CortexTM-M3 processor with 4MBit data memory
2. Communication Modes: RS-232 (max 50ft), RS-485 (max 4000ft) or TCP/IP
3. On board 100MBit real TCP/IP
4. Compatible with all Wiegand reader formats from 24 to 72 Bits
5. Event Flow Control
6. Supports 500 Visitors
7. Supports 10 Emergency Cards
8. Includes UDP Protocol
9. CE, FCC, RoHS approval



Range Description

The HST S Series of access controllers consists of two different ranges which are interchangeable if required. The V3.5 hardware version range is based on an 8 bit microprocessor and is a low cost entry level range consisting of 1, 2, 4 and 8 door fully intelligent controllers. The V4 hardware version is an advanced range based on a 32 bit microprocessor also consisting of 1, 2, 4 and 8 door controllers. Both ranges can be used in a standalone or networked configuration mode, and both ranges are compatible with the C Series Lift Controllers and Multi IO Controllers. Both ranges can be connected to a TCP/IP network if required.

Controller Description

The **HST800SN**, (*HST S Series, Door Controller, 8 Doors, 8 Readers, TCP/IP Enabled*) is an advanced eight door access controller allowing for the connection of eight In card readers with eight REX buttons for exit.

Controller Specifications

- CPU: 32 Bit Processor
- 8 Door Relays (NC/NO)
- 8 Door Sensors (NO)
- 8 Exit Buttons
- 8 Wiegand Readers
- RS-232/RS-485/TCP/IP interface
- Up to 127 controllers per RS-485 bus
- Supports online computer polling
- Communication speed: 19200/9600/4800
- 15 Time Groups for each door
- Card Capacity: 30,000
- Transaction Storage: 15,000 events
- Maximum LAN Distance: 1200 meters (4000ft) using RS-485.
- Operating Voltage: 12V DC ($\pm 10\%$)
- 110/220 AC (50/60HZ) switched mode 12V DC 6A Power Supply c/w 13.8V DC battery charging circuit
- Operating Current: $\leq 200\text{mA}$
- Standby Current: $\leq 150\text{mA}$
- Working Temperature: $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$
- Data Memory: 4M bit (protected)
- 1 Lithium battery backup (up to 10 years data retention)
- Metal case dimensions: 403mm x 384mm x 72mm
- Weight: 0.2Kg (without metal case)
4.7Kg (with metal case & PSU)