# SSA-S2100/S2101

## PROXIMITY / SMART CARD & PIN
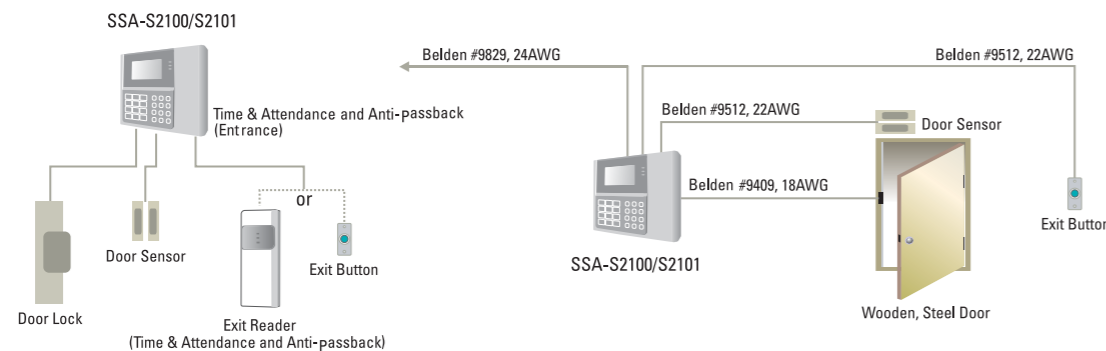## TIME & ATTENDANCE ACCESS CONTROLLER

159.5mm
191.5mm
44.0mm
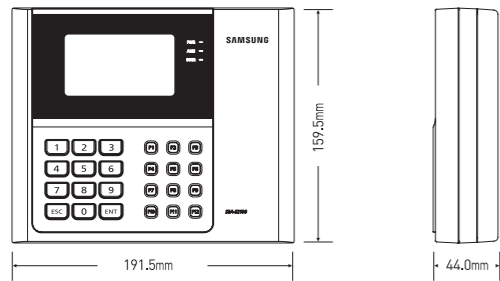
## KEY Features

- 125KHz Proximity / 13.56MHz Contact-less Smart Card reader and PIN
- Dual function for Access Control and Time & Attendance
- 10,000 / 20,000 Users / 20,000 / 10,000 Event Buffers (Selectable)
- Operating Mode selectable by Individual ID
- 4 Level Door Open Time Setting by Individual ID
- Time Schedules Setting by Individual ID, Input Port, Output Port and Reader Mode
- Network Communication via RS232, RS485 and built-in TCP / IP

- 4 Input, 4 Output (2 Relay Output)
- 26bit / 34bit Wiegand Output
- Serial Printer Port for event ticket issuing
- Input Cut-off Check
- User Name Display on LCD
- ARM/DISARM Function for Alarm Panel
- 2 Men Operation Mode
- Duress Alarm Function
- Multiple Master IDs Registration
- Graphic LCD of Multi Languages Display

## Specifications

| Model | | SSA-S2100 | SSA-S2101 |
|---|---|---|---|
| CPU | | Dual 8bit and 16bit Microprocessor | |
| Memory | Program Memory | 256KByte ROM, 512KByte SRAM | |
| | Data Memory | 512KByte Flash Memory | |
| User | | 10,000 / 20,000 Users (Selectable) | |
| Event Buffer | | 20,000 / 10,000 Event Buffers (Selectable) | |
| Power / Current | | DC 12V / Max.350mA | |
| Reader Port | | 1ea (26bit Wiegand, 4 / 8bit Burst for PIN for Anti-Pass-Back) | 1ea (34bit Wiegand, 4 / 8bit Burst for PIN for Anti-Pass-Back) |
| Frequency | | 125KHz | 13.56MHz |
| Communication | | RS232 / RS485, TCP/IP | |
| Baud Rate | | 9,600bps/ 19,200bps / 38,400bps / 57,600bps (selectable) | |
| Input Port | | 4ea (Exit Button, Door Sensor, Aux#1, Aux#2) | |
| Output Port | | 2ea (2 FORM-C Relay Output (COM, NO, NC) / DC12V~18V, Rating Max.2A) | |
| | | 2ea (TTL Output / DC5V, Rating MAX.20mA, 26 / 34bit Wiegand Output Supported by TTL Output) | |
| LCD Display (Language) | | English, Spanish, Portugal, Korean (Selectable) | |
| Voice Output (Language) | | English | |
| LED Indicator / Beeper | | 3 LED Indicators (Red, Green and Yellow) / Piezo Buzzer | |
| Operating Temperature | | 0°C ~ +50°C (-32°F ~ +122°F) | |
| Operating Humidity | | 10% ~ 90% relative humidity non-condensing | |
| Color / Material | | Silver and Black / Polycarbonate | |
| Dimension (W x H x D) | | 191.5 x 159.5 x 44.0 mm | |

## Standalone Configuration

SSA-S2100/S2101
Time & Attendance and Anti-passback (Entrance)
Belden #9829, 24AWG
Belden #9512, 22AWG
Belden #9512, 22AWG
Door Sensor
Belden #9409, 18AWG
SSA-S2100/S2101
Wooden, Steel Door
Exit Button
Door Sensor
or
Exit Button
Door Lock
Exit Reader
(Time & Attendance and Anti-passback)

## Network Configuration

TCP/IP
LAN Cable
Hub
LAN Card
RS232
RS485 to RS232 Serial Converter
RS485 (Max.32ch)
Sensors