

SSA-R2040 Operation Guide

1. Provide DC12V power to SSA-R2040. "WELCOME TO ACCESS CONTROL SYSTEM" voice message will activate. If master card is not registered "MASTER ID REGISTRATION MODE" will activate with red, green, yellow led blinking. If master card is registered, "Reader MODE" voice will activate with red led on.
2. The mode will change from the "Reader Mode" to the "Master Mode". Green & yellow led will blink. Following voice message will be activated "REGISTRATION AND DELETION MODE, SCAN YOUR CARD" Once master card that you wish to register has been scanned to SSA-R2040, master card will be registered. Then automatically mode will shift to reader mode with "READER MODE" voice message.
3. User may register and delete the card in Master mode. Present the card to SSA-R2040 and card will be registered with the buzzer sound. If the card is already registered, the buzzer will sound 4 times with voice message.
4. User may control Buzzer of SSA-R2040. To do so, connect power first. Then connect gray with red stripe to NO, and COM to GND. Once wiring connection is done you may change the Buzzer by input & output setting of access controller. When activated, buzzer will be on. Such function may be useful to add buzzer sound for access granted or denied.
5. User may control LED of SSA-R2040. To do so, connect power first. Then connect blue with white stripe to NO, and COM to GND. Once wiring connection is done you may change the LED status by input & output setting of access controller. When activated, green led will be on.
6. Connect the power to SSA-R2040. Connect gray with red stripe to NO wire. Then connect GND wire to COM wire. Once wiring connection is done you may change the system mode operation by input & output setting of access controller. When system mode is activated, unit will operate as RF Only.

Item		SSA-R2010	SSA-R2020	SSA-R2040	SSA-R2011	SSA-R2021	SSA-R2041
Fingerprint Users		1,000	2,000	4,000	1,000	2,000	4,000
Fingerprint Templates Size		800Bytes for 2 Fingerprint Templates					
Power / Current		DC 12V / Max.290mA			DC 12V / Max.310mA		
Reader Port		External Reader Port 1ea : 26bit Wiegand			External Reader Port 1ea : 34bit Wiegand		
Reading Time (Card)		30ms					
Verification Time		Less than 1sec.					
Identification Time		Less than 2sec.					
Communication		TCP/IP					
Baud Rate(bps)		57,600					
Input Port		3 EA (External LED Control, External Buzzer Control, Operating Mode(RF/ RF+ Finger) Control)					
Output Port		2EA (Error- Output, OK-Output(Open Collector Output))					
		26bit Wiegand			34bit Wiegand		
LED Indicator		3 LED Indicators (Red, Green and Orange)					
Beeper		Piezo Buzzer					
Voice Output (Language)		English					
Operating Temperature		0°C to +50°C					
Operating Humidity		10% to 90% relative humidity non-condensing					
Color / Material		Silver with Black / Polycarbonate					
Dimension (W x H x D(mm))		65.0 x 128.0 x 48.5					
Weight		240g			230g		
RF Specifications	Frequency	125KHz	125KHz	125KHz	13.5610 MHz	13.5610 MHz	13.5610 MHz
	Modulation	PSK	PSK	PSK	ASK	ASK	ASK
	No. of Channels	1CH	1CH	1CH	1CH	1CH	1CH
	Output	Less than 65.80dBuA/m at a distance of 10m	Less than 65.80dBuA/m at a distance of 10m	Less than 65.80dBuA/m at a distance of 10m	Less than 47.544 mV/m at a distance of 10m	Less than 47.544 mV/m at a distance of 10m	Less than 47.544 mV/m at a distance of 10m