

S1 Contactless Smart Card Reader is a water proof design that suitable for different indoor and outdoor installation environment, and made of high quality material to ensure enhanced reliability and long-term duration. Wall Switch Size; designed to mount on Asian electrical (BS1299) junction box.



KEY FEATURES

- Waterproof IP67 Contactless Technology Keypad Reader
- 28 applications, one applicaiton can create 32 files
- Max. file size is 2K bytes
- 16 sets key for file data read, write and change key
- RED / Green / Blue or mixed color LED bar, user defined LED ON / OFF time interval, LCD contrast adjustable
- Internal buzzer, user defined buzzer ON / OFF time interval
- Multi card format checking internally, fixed length card number output
- User define wiegand pulse interval to serve different door access panel
- Hardware tamper : infra-red optical sensor
- Software tamper : "I am alive" feature by wiegand output
- Standard mode : wiegand output to wiegand door access panel, RS485 to host for reader configuration
- Secure mode : high security data encryption output, work with ACX 2080 Gateway or direct connect to ACX panel for avoiding card data to be snooped

SPECIFICATION

S1 Contactless Smart Card Reader

Card Technology	HID iCLASS	HID 125KHz	EM	Mifare Classic
Card number output	32 ~ 64 bits CSN	HID card number	32 bits CSN	32 ~ 56 bits CSN / Sector
Item No.	91HF07 - S111	91LF07 - S112	91LF07 - S113	91HF07 - S114
Card Technology	SONY Felica CSN	Mifare Plus S/X	Mifare DESFire EV1	LEGIC Advant
Card number output	32 ~ 64 bits CSN	32 ~ 56 bits CSN / Sector	32 ~ 56 bits CSN / File	32 ~ 64 bits CSN / Sector
Item No.	91HF07 - S115	91HF07 - S116	91HF07 - S117	91HF07 - S118
Key Authentication	Custom 128 bits diversify key			
Card Data Security	Max. 64 bits card number mixed with original CSN, custom AES 128 bits key data encryption, CRC16			
Reader output	ACX Proprietary scramble RS485 output and wiegand output			
Typical Read Range	125KHz : 5cm+, 13.56MHz : 4cm+, Bluetooth Technology : 2m to 10m Typical read range achieved in air; different types of metal will cause some degradation Use spacers to space product off metal and improve read range if required.			
I am alive	User define 1 bytes "I am alive" data in a certain interval			
Reader cable	10 wires. Power, Ground, D0, D1, ACK, Buzzer, hold, RS485(A), RS485(B), spare			
Mounting	Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing			
Visual indicator	LED bar in Red, Green & Blue color, user defined mixed color and ON / OFF time interval (ms)			
Audio indicator	Internal buzzer, user defined beep sound ON / OFF time interval (ms)			
Color	Black or White			
Dimension	85 mm x 85 mm x 20 mm			
Product weight	150g			
Operating Voltage	9-16 VDC, Linear supply recommended			
Operating Current	70mA AVG, 100mA PEAK			
Operating Temperature	- 31° to 150° F (-35° to 65° C)			
Storage Temperature	-67° to 185° F (-55° to 85° C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Certification	IP67, IK06, CE 0700, NCC, RoHS			
Panel Connection	Pigtail			
Housing Material	Polycarbonate			
Cable Distance	RS485 interface: 4000 feet (1200 m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent			