Datasheet (ver. 2.0)

Product P/N	RWD-S064-Y60	Product	Single Door 5-in-1 Standalone Reader

LF & HF & Remote Control **5-in-1** Standalone Reader

1. Keypad

2. EM
3. HID (Wiegand 26)
4. MIFARE

5. Secure Transmitter

User Capacity	**600**
Operating Voltage Idle Current	**12~18VDC** < 35mA
Proximity Card Reader Radio Technology Read Range	**HID & EM & MIFARE® & Secure Transmitter** 125KHz &13.56Mhz & 433MHz 2~6 cm (HID, EM , MIFARE®) 80 m (line of sight by secure transmitter)
Wiring Connections	Relay output, exit button, alarm, door contact
Relay Adjustable Relay Output Time Lock Output Load	**One (NO, NC, Common)** 1~99 Seconds (5 seconds default) 2 Amp Maximum
Wiegand Interface	**Standard Wiegand 26 bits**
Environment Operating Temperature Operating Humidity	**Meets IP66** -20 ºC ~ 60 ºC (-4 ºF ~ 140 ºF) 0%RH ~ 98%RH
Physical Colour Dimensions Unit Weight Shipping Weight	**ABS** Black L122 x W50 x H21mm 185g 245g
Tag Weight	**Secure Transmitter Weight: 45g** **Other tags depending on material made**

- **Remote control is PLL (Phase LocK Loop) design, 433 MHz, stable with long range. Transmitter uses random code, 128 bits AES two ways encryption, cannot be counterfeit.**
- MIFARE® is registered trademark of NXP B.V. and is used under license.

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Key Features

1. Product Features

Benefit	Secure Transmitter	Other remoters
Confidentiality	Each product has unique Secure key to encrypt 96 Bits packet. Absolutely not be the same as your neighbor's.	Only 32 bits of data are encrypted.
Security	Use AES to encrypt RF signal to avoid cracking.	Can be duplicated.
Energy Saving	It could be used for four years (Press 20 times per day). Low Voltage detection (option).	
Stability	Transmitter will syn cyphertext with receiver, reducing the error caused by bad signal.	If the signal is not ideal, the system might have different syn number. User has to reset the whole remote system.
Convenience	Encoding transmitter by near filed RF signal. Do not need wire connection.	User has to remove the shell and connect wire to encode remoter.

2. Comparison table with Rolling code

	Ours	Rolling code		
		HCS200	HCS300	HCS301
ID Length	48 Bits Encrypted	28 Bits Not encrypted		
Function key	16 Bits	3 Bits	4 Bits	4 Bits
Status Bit	16 Bits	1 Bit	2 Bits	2 Bits
Packet Bit/ Packet Period	96 Bits 83.4 ms	68 Bits 108 ms		
Length of encrypted packet	96 Bits	32 Bits Constant ID encrypted		
Pin assignment	8pins Custom	3pins Constant	4pins Constant	4pins Constant
IC packing	NSOP16	SOP8		
Storage Bit	16 Bit	N/A		
Permission Bit	8 Bit	N/A		
Wireless encoding	Yes	N/A		
RF Hardware	PLL Loop 280~970Mhz	N/A		

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