

Install and Operation Instructions SYRDF5-S2 Fingerprint Reader

Wiegand™ & RS485 DUAL INTERFACE



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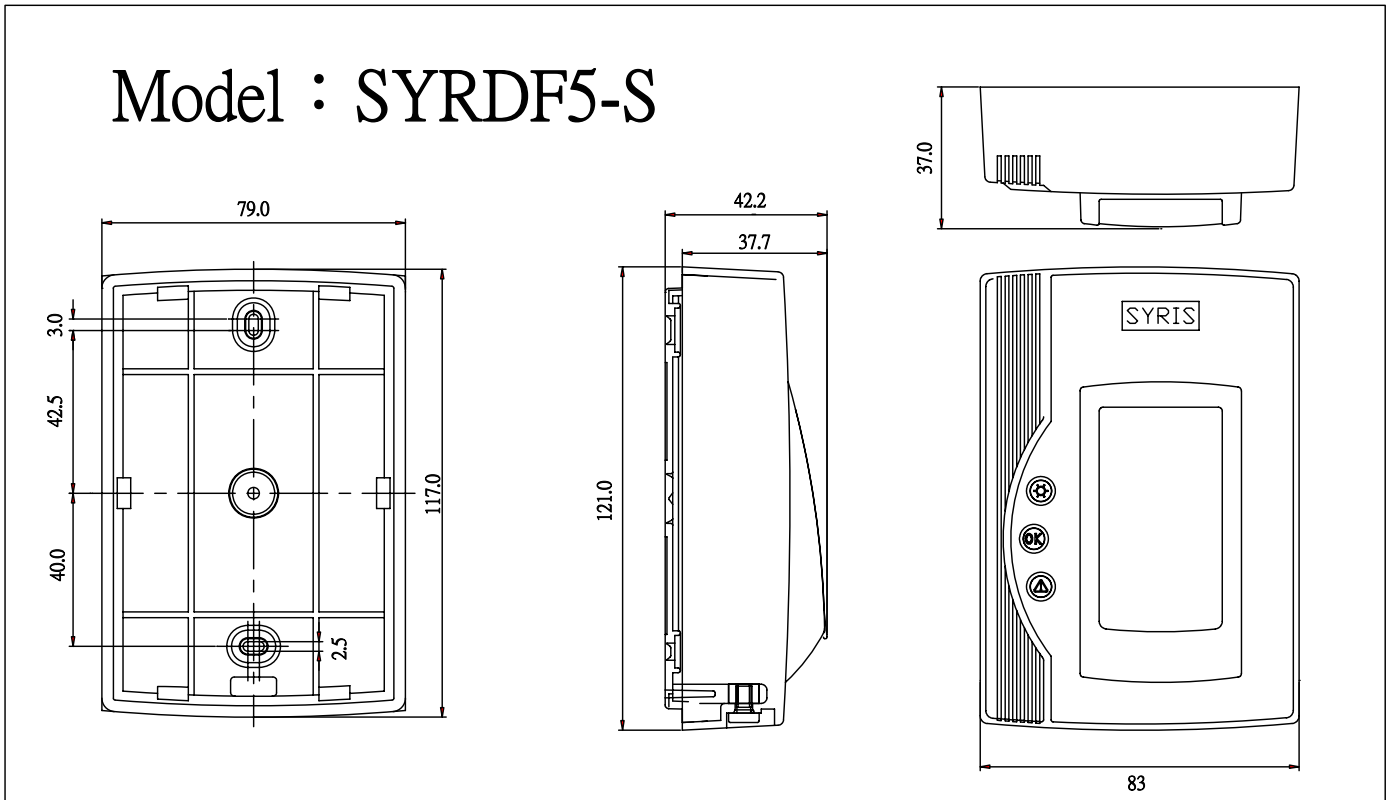
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SYRDF5-S2 MOUNTING PLATE

Model : SYRDF5-S



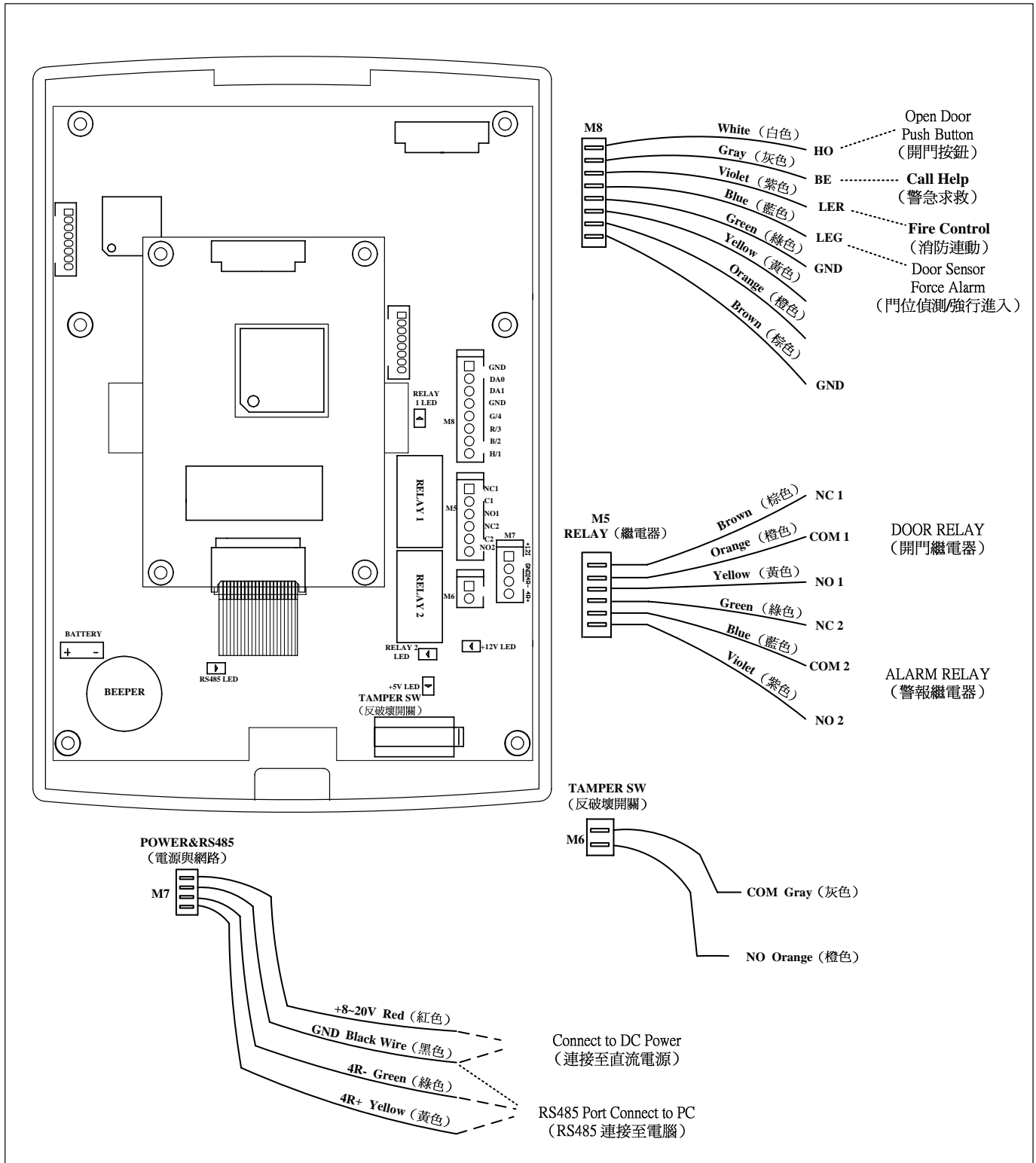
SYRDF5-S2 Specification

Items / Specs	SYRDF5-S2	SYRDF5-S2M1
Number of fingerprint	9,000	
Fingerprint sensor	TouchChip Silicon Fingerprint sensor ; Capacitive sensor in CMOS technology ; 256x360 sensors array(508dpi) ; data format : 8bit Microprocessor(RAM) interface ; ESD protection of 15kV air discharge on the sensor surface ; Mechanical resistance ; hard surface provides protection against ; Chemical resistance ; Enhanced resistance against most liquids, gasses ,sweat ; Random number generation support	
Card type	125KHz TEMIC/EM	Mifare 13.56MHz (optional)
Read range*	3cm ~ 10cm	2cm~8cm (Mifare)
ID	1 – 99	
Card read time	0.2 sec (typical)	
Fingerprint read time(300 enrolled)	2 sec (OK) ; 5 sec (BAD)	
Fingerprint read time(9,000 enrolled)	3 sec (OK) ; 8 sec (BAD)	
FAR	< 0.001%	
FRR	< 0.01%	
Indicator	3 LED	
Output interface	RS485 formats and Wiegand™ formats	
Wiegand™ formats	Wiegand™ 26 bits 、 34 bits 、 42 bits formats	
Baud rate	19,200 bps (4,800 、 9,600 、 19,200 、 38,400 、 57,600 、 115,200 、 230,400)	
Color	Gray	
Operating temperature	2 °C to 55 °C	
Storage temperature	-30 °C to 70 °C	
Power supply input	8V to 20V DC	
Dimensions (mm)	83.0 W x 121.0 H x 45 D	

* This specification is preliminary and is subject to change without prior notice

* Reading range is subject to card type, site interference and antenna specs for more information

SYRDF5-S2 WIRING DIAGRAM



- * Power supply should be regulated linear power supply.
- * Your system must have a single earth ground point.
- * The shield must run continuous throughout the installation.