ACX | DESIGN INNOVATIONS

F8

Fingerprint Door Access Reader is an user friendly and high-security physical access control reader. Its Wiegand output means the reader can directly connect to any Wiegand door access controller, while the OSDP and the ACX scramble RS485 output ensure the data cannot be snooped by external devices. This effectively resolves the Wiegand signal transmission issue.

1000 fingerprint templates can be stored on the device. Each one represents a unique card number in any format, max. 64 bits length.

FEATURES

- Optical fingerprint sensor
- Waterproof design, using high-quality materials to enhance reliability and longevity
- Easy fingerprint enrollment by ACX Fingerprint Management Software
- 1000 access fingerprints with a unique card number in any format
- Red / Green / Blue or mixed color LED, user-defined LED ON / OFF time interval, LCD contrast adjustable
- Internal buzzer, user defined buzzer ON / OFF time interval

SPECIFICATION

F8 Fingerprint Reader (Template on Device)	
Model Number	F8B0
Fingerprint Technology	Infrared optical sensor, 20mm x 15mm
Water Proof	IP65
Fingerprint Templates	1,000 fingerprint templates with unique card numbers, fingerprint template in 512 bytes.
Card Number	Card number in any format, maximum length is 64 bits
Response Time	Less than 1 second
False Acceptance Rate	Less than 0.001% (Operation level = 3)
False Reject Rate	Less than 1.0% (Operation level = 3)
Reader Output	Wiegand format or ACX scramble RS485
Reader Wires	Power, Ground, Wiegand D0, Wiegand D1, RS485(A), RS485(B), Green LED / ACK, Buzzer, Hold and shield wires (Pigtial) LAN Port for fingerprint template download
Installation	Wall switch size, designed to mount and cover single-gang switch boxes primarily used in the Americas. It includes a slotted mounting plate for European and Asian back box spacing
Visual Indicator	LED bar in Red / Green / Blue / Amber / Purple / White / Light Purple, user-defined LED ON / OFF time interval
Audio Indicator	Internal buzzer, user-defined beep sound ON / OFF time interval (ms)
Color	Black or White
Dimension	130mm(L) x 85mm(W) x 36mm(D)
Product Weight	130g
Operating Voltage	9-16 VDC
Operating Current	Average 80mA DC, peak 150mA DC
Operating Temperature	-20º C to +60º C
Operating Humidity	10% to 90% relative humidity non-condensing
Housing Material	Polycarbonate
Cable Distance	Wiegand interface: 500 feet (150 m), RS485 interface: 4000 feet (1200 m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent