ACX | DESIGN INNOVATIONS

F7

Fingerprint Door Access Keypad Reader is a 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 ACX scramble RS485 output ensures 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. If a user's fingerprint template cannot be enrolled, the keypad can be used for access. Access granted/denied depends on the door access panel setting.

FEATURES

- Optical fingerprint sensor, 512 bytes
- Waterproof design, using high-quality materials to enhance reliability and longevity
- Touch sensor keypad, overcoming the membrane keypad problem
- Infrared light tamper design, overcoming the mechanical defects
- 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
- Internal buzzer, user-defined buzzer ON / OFF time interval

SPECIFICATIONS

F7 Fingerprint Keyad Reader Enroller (Template on Device)	
Model Number	F780
Waterproof	Infrared optical sensor, 20mm x 15mm
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	Mullion type, for door frame installation
Visual Indicator	LED bar in Red, Green, and Blue; user-defined LED ON / OFF time interval (ms)
Audio Indicator	Internal buzzer, user-defined beep sound ON / OFF time interval (ms)
Keypad	Waterproof touch sensor technology, 12 Keys, 0 to 9, *, #
Color	Black or White
Dimension	150mm x 44mm x 36mm
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
Reader Installation Height	It is recommended that the center of the card reader be 135 meters above the ground