

Fingerprint Identification
Access Controller

FGR007



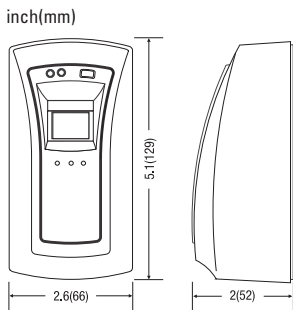
FGR007



KEY Features

- 1:1 Verification and 1: N Identification
- Identification Method: by Auto Touch Sensor (optional): FGR007A
- Dual Function for Access Control and Time & Attendance
- 1,000 / 2,000 / 4,000 Fingerprint Users / 2,000 Event Buffers
- 125KHz Proximity and Fingerprint Recognition
- ID only Function for Fingerprint Unregisterable Person
- Standalone / Network Communication via RS232 / RS422 / RS485 (Max.32ch), TCP/IP (External LAN Converter Required), Wireless (e.g. Bluetooth Module required)
- 1ea of External Reader Port for Anti-passback Function: 26bit Wiegand, 4 / 8bit Burst for PIN
- Independent 2 Inputs and 2ea of 2 Form-C Relay Outputs
- High Protection from Scratch and ESD (Electro Static Discharge)
- High Quality Optical Sensor
- Tamper Switch
- Alarm Event Monitoring using Tamper Switch (by Application Software)
- Options: 1,000 / 2,000 / 4,000 Fingerprint Users
Auto Touch Sensor for Identification (FGR007A)
- Compatible Software: STARWATCH DUAL PRO I / II

Star



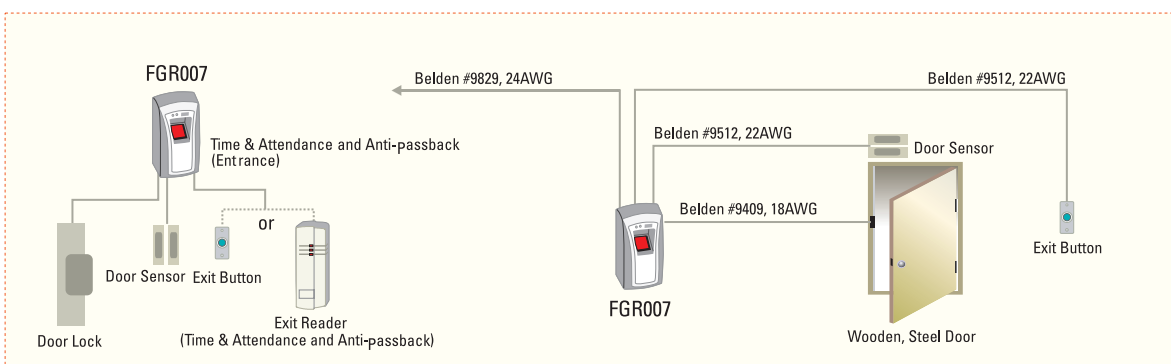
Time Capacities

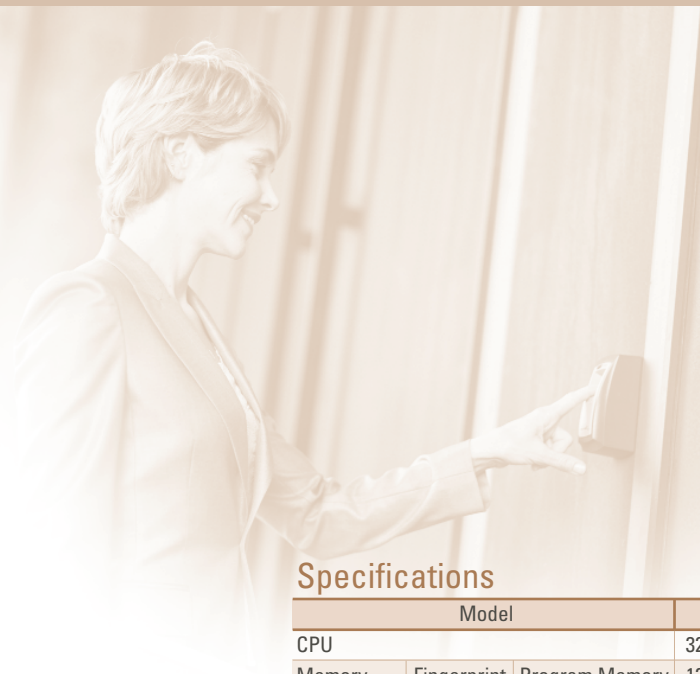
- Time Code : 10
- Time Interval : 5
- Holiday Code : 10
- Holiday : 32

Comparison Table

FGR007	Built in 125KHz (4") Proximity Reader RF only / RF+ Fingerprint
FGR007A	RF only / Fingerprint only / RF+ Fingerprint FGR007 including Auto Touch Sensor for Identification

Standalone Configuration





Fingerprint Module Specifications

Resolution	500dpi
Capture Image Size	356 x 292 pixels
Extraction Image Size	248 x 292 pixels
Sensing Area	12.7mm x 14.9mm
Scanner	High Quality Optical Sensor
FAR(False Acceptance Ratio)	0.001%
FRR(False Reject Ratio)	0.1%
ESD(Electro Static Discharge)	15KV
Verification Time	Less than 1sec.
Identification Time	Less than 2sec.

Specifications

Model		FGR007
CPU		32bit ARM9 and Dual 8bit Microprocessor
Memory Module	Fingerprint Module	Program Memory 128KByte ROM
		Data Memory 128KByte / 256KByte / 512KByte Flash Memory
	Controller	Program Memory 64KByte Flash Memory
		Data Memory 512KByte Flash Memory
Fingerprint User		1,000 / 2,000 / 4,000 Fingerprint Users
Fingerprint Templates Size		800Bytes for 2 Fingerprint Templates
Event Buffer		2,000 Event Buffers
Read Range	Passive Type	IDK50 / IMC125 : Up to 2 inch (5cm) IDC80 / IDC170: Up to 4 inch (10cm)
	Active Type	IDA150 / IDA200 compatible
Reading Time (Card)		30ms.
Verification Time		Less than 1sec.
Identification Time		Less than 2sec.
Power / Current		DC 12V / Max.400mA
External Reader Port		1ea (26bit Wiegand, 4 / 8bit Burst for PIN for Anti-Pass-Back)
Communication		RS232 / RS422 / RS485 (Max.32ch) TCP/IP (External LAN Converter required) Wireless (e.g. Bluetooth Module required)
Baud Rate		9,600bps (default) / 4,800bps, 19,200bps and 38,400bps (selectable)
Input Port		2ea (Exit Button, Door Sensor)
Output Port		2ea (2 FORM-C Relay Output (COM, NO, NC) / DC12V~18V, Rating Max.2A)
LED Indicator		3 Array LED Indicators (Red and Green)
Beeper		Piezo Buzzer
Operating Temperature	Fingerprint Module	-15° to +40° C (+5° to +104° F)
	Controller	-15° to +70° C (+5° to +158° F)
	RF Reader	-35° to + 65° C (-31° to +149° F)
Operating Humidity		10% to 90% relative humidity non-condensing
Color / Material		Dark Pearl Gray / Polycarbonate
Dimension (W x H x T) / Weight		2.6" x 5.1" x 2.0" (66mm x 129mm x 52mm) / 259.5g (0.57lbs)

Network Configuration

