



FINGERPRINT READER MODULE 50

For D11x and D21x series



DoorBird cooperates only with the best of its class: Our fingerprint reader is equipped with the technology of Fingerprint Cards AB (Fingerprints) – the world’s leading biometrics company, with its roots in Sweden. Fingerprints technology is found in hundreds of millions of devices and applications, and is used billions of times every day, providing safe and convenient identification and authentication with a human touch.

The solution by DoorBird brings together superior biometric performance and security, high standard of quality components and a capacitive touch sensor for our IP door stations and IP access control units.

The enrollment of a new fingerprint is done comfortably via App or our web-based dashboard available at <https://webadmin.doorbird.com>. A fingerprint can also be deleted remotely in real-time in case the access has to be revoked.

Using our fingerprint reader, you can restrict access authorization to specific days and times. This way, you determine who can enter your home or building and when. You can also define individually per fingerprint which action should be executed, e.g. trigger relay 1 or relay 2, trigger an IP I/O Door Controller, call a HTTP(s) URL, arm or disarm an alarm system, open a smart lock or trigger a building automation system event.

Our fingerprint reader is especially designed for areas exposed to strong outdoor weather conditions, e.g. heat and cold, and does not lose its functionality. To ensure error-free detection, the sensor surface must be dry and clean. The touch sensor is effectively superior to line-based readers in terms of security, comfort and speed, and it also allows a lower installation height.

Data-privacy and security:

The reader does not store any fingerprint images. It stores only one template per fingerprint in form of a mathematically calculated hash value. Biometric features are not transmitted to the DoorBird Door Station, the app or the cloud. Thus, our system meets the highest data protection and data security standards.

In addition, the fingerprint reader has a locking mechanism which prevents attempts at manipulation, temporarily locking the system after multiple unauthorized access attempts. To increase the security even more, the fingerprint reader has no built-in relays. Instead, you can securely release a detached relay with the DoorBird I/O Door Controller A1081, which is connected to a DoorBird IP Video Door Station.

FEATURE SUMMARY

- Touch sensor
- Configurable via App or web-based dashboard
- Status LED (RGB)
- Fully integrated into DoorBird IP Video Door Stations
- 1,000 times more secure than a 4-digit keypad PIN code
- Manipulation prevention system
- Event history with time stamp
- No more misplaced, forgotten, lost or stolen keys possible
- No unauthorized use of PIN codes or RFID key fobs possible, a fingerprint is unique per person
- Personalized time frames and actions
- Supported number of fingerprints (template storage): 50
- Compatible with DoorBird IP Video Door Stations of the D21x and D11x series

TECHNICAL SPECIFICATIONS

Fingerprint Reader Module 50	Configurable via App
	<ul style="list-style-type: none"> • Individual events (e.g. switch a relay, HTTP(s) request) • Individual schedules • 50 fingerprints manageable • Event history
Fingerprint Reader Module 50	Multicolored Status LED (RGB)
	<ul style="list-style-type: none"> • Normal mode: <ul style="list-style-type: none"> -Green + success sound: successfully authenticated -Red + error sound: unrecognized fingerprint (e.g. unknown fingerprint or wet touch sensor field - dry it with a tissue) -Pink: Manipulation prevention (too many failed attempts, locked out for min. 30 seconds) • Enrollment mode: <ul style="list-style-type: none"> -Blue: wait for finger to touch -Green + no sound: scan step successful -Green + success sound: entire scan step successful (enrollment done) -LED goes off: Timeout during enrollment • Start-up mode: <ul style="list-style-type: none"> -Yellow: Hardware test successful -Red: Hardware test not successful (broken)
Weight	350 g
Dimensions	49,3 x 50,3 x 24,5 mm (H x W x D) 1.94 x 1.98 x 0.96 in (H x W x D)
Operating conditions	-25 to +55°C / -13 to 131°F Humidity 10 to 85 % RH (non-condensing)
Scope of delivery	1x Fingerprint Reader Module 50 2x sealing gasket for mounting on front panel (2 and 3 mm)
Warranty	see www.doorbird.com/warranty

