

What Sentinel Is

- A secure, motorized optical gate that controls entry and exit with fast, smooth operation.
- Works with your access system — badges, QR codes, face or fingerprint readers (not included).
- Built-in safety sensors help prevent contact and can reverse the gate if something blocks the path.

How It Works

- 1 Power on. Sentinel completes a quick self-check (about 3 seconds).
- 2 Present a valid credential to your reader (badge/QR/face/fingerprint).
- 3 Indicator shows green and the gate opens. A voice prompt may play if enabled.
- 4 Walk through. Safety sensors track the passage. Once clear, the gate closes.

Before You Start (Safety)

- Turn power off before opening covers or performing any installation work.
- Do not power other devices from Sentinel's internal power supply.
- Separate high-voltage and low-voltage cables in different conduits; protect with PVC.
- For outdoor or high-traffic sites, mount securely (e.g., M12 anchors, firm concrete base).
- Always connect protective earth/ground per local electrical code.

Installation Essentials (High-Level)

- Position units, mark holes, install anchors, and level. Tighten all fasteners.
- Connect AC 110/220 V to the internal power supply. Verify correct input voltage.
- Wire your access control's dry contacts to the Open inputs: OP-L / COM / OP-R.
- Confirm all connectors are secure, then power on and perform a test open/close.
- Optional: Configure a free-pass direction (e.g., free exit) and voice prompts.

Power Loss Behavior — On power loss, Sentinel moves to a safe position (direction is configurable).

Common Settings (on the Control Panel)

- Opening Mode: Standard, Free-Pass Left, Free-Pass Right, or Free-Pass Both.
- Gate Open Time: 1-90 seconds (default 8 s).
- Voice Prompts & Volume: Choose a prompt (e.g., "Welcome") or mute; adjust volume.
- Motor Speed: 1-25 (default 10). Use moderate values for smooth movement.
- Passage Mode: Smooth, Memory (multiple people), or One-Card-Per-Person.

- Close Timing: Close after the last person clears sensors or add a delay (site-dependent).
- Safety: Auto-reverse on obstruction; Anti-tailgating alarm (configurable).
- Language: English, Spanish, French, and more.

Aligning the Gate Positions (One-Time Setup)

- 1** On the control panel, press the SET (middle) button 5 times to enter alignment mode.
- 2** Gently move the gate to the left limit. Hold still ~3 seconds until you see or hear confirmation.
- 3** Move to the right limit. Hold ~3 seconds for confirmation.
- 4** Return the gate to the center (closed) position. Hold ~10 seconds until setup is confirmed.

Maintenance (Keep It Reliable)

- Weekly: Wipe stainless steel with mild soap/water; avoid abrasive cleaners.
- Monthly: Check bolts, cable terminations, and sensor alignment; test the safety stop.
- Always turn power off before opening covers or servicing the gate.