SODILIFT

SODILIFT · LIFT ELECTRICAL EQUIPMENT

Sodilift, S.L. · Barcelona, España

Residential Pack

The complete electrical package, ready to install

100% Sodimas range | Standard, in stock | Ready to ship





QI Touch controller · Complete pre-wired harness · Limax absolute positioning · M3 and Blackpad signalling

Sodimas range · Supplied by SODILIFT

SODIMAS® ascenseurs

sodilift.com

One electrical package, four uses

The Residential Pack is the standard electrical package of SODILIFT lifts. We also sell it on its own, to anyone who needs reliable electrical equipment, compliant with EN 81-20 and EN 81-50, delivered complete.

Lift manufacturers

Combine your mechanical production with electrical equipment that is ready to install and already EN 81-20 / EN 81-50 compliant, with no development on your side.

Assemblers

A standard, complete package delivered with all its wiring: fewer part numbers to manage, faster assembly.

Installers

Add the electrical package to the mechanical equipment of your choice, with one supplier for the controller, wiring and signalling.

Modernisation

Replace the electrical equipment of an existing lift. On request, we also supply a motor matched to the existing installation.

What's in the pack

- QI Touch controller: metal cabinet, built-in or separate drive, emergency call box, door zone indicator and UPS
- Complete, labelled electrical wiring: car, machine room and shaft
- Limax absolute positioning, with magnetic tape and bracket
- M3 car operating panel and Blackpad landing stations, gold or silver finish, with key switch and display on every floor
- FS100 firefighters' box on the main floor

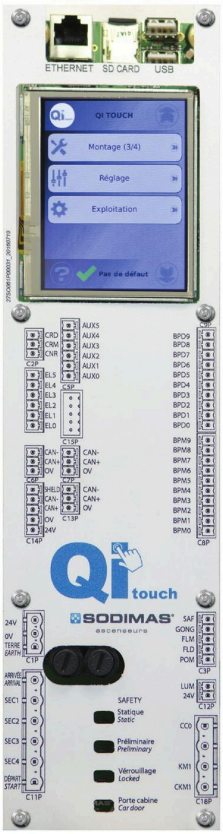
The Sodimas range

The SODILIFT Sodimas range brings together complete lifts and their components: machines, controllers, cars, signalling and safety devices, compliant with European standards.

RESIDENTIAL PACK

QI Touch, the brain of the lift

The QI Touch board controls every function of the lift. It is the heart of the Residential Pack of the Sodimas range.



Colour touch screen

Always on, with a wizard that guides commissioning step by step: settings, diagnostics and operation without an external console.

Fast and reliable

Real-time multitasking operating system, 32-bit 450 MHz microprocessor, two open CAN buses.

Quick installation

Optimised “Quick Install” wiring and “Push in Twice piercing” landing connection: fewer wires, fewer errors, faster installation.

Connected

Ethernet, two USB ports, micro SD card, Wi-Fi via USB key and built-in web server: setup and diagnostics from a PC, tablet or smartphone (Windows, Apple, Android).

Preventive maintenance

Preventive and predictive maintenance data, statistics and remote supervision, compatible with Sodimas remote monitoring.

Open protocol

The lift can be maintained by any maintenance company: the owner keeps the choice of lift contractor.

Energy efficient

Only 4 W with the screen on, lighting and consumption management, eco-designed product.

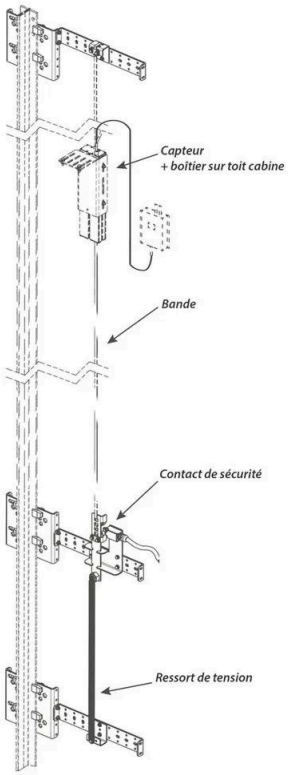
Compliant

EN 81-20 and EN 81-50, EN 81-28, EN 81-70, EN 81-72 and EN 81-73; electromagnetic compatibility EN 12015 and EN 12016.



LIMAX absolute positioning

An absolute sensor on the car roof reads a coded magnetic tape stretched along the full height of the shaft. The controller always knows the exact position and speed of the car.



1. Sensor and box on the car roof
2. Coded magnetic tape
3. Safety contact
4. Tension spring



Millimetre accuracy

Stops exactly level with each landing: more comfort and no step at the car entrance.

Position always known

The system is absolute: the car position is known at all times, including when power is restored.

A simpler shaft

No magnets or switches to fit on every floor: a single stainless-steel tape, tensioned once, and a shaft cam.

Controlled speed and travel

Measuring speed and travel gives smooth starts and slow-downs.

Quick commissioning

Floors are recorded from the QI Touch controller; fine adjustment is done on screen.

Safety

Mechanical limit switch and inspection are kept, in addition to the sensor.

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Signalling

Signalling comes with the pack, EN 81-70 compliant: M3 car operating panel and Blackpad landing stations, in silver or gold finish.



M3 car operating panel
Brushed silver

M3 car operating panel
Mirror gold

Blackpad landing stations
Silver

Blackpad landing stations
Gold

M3 car operating panel, 1060 × 220 × 35 mm, mirror gold or brushed silver, 4.3-inch colour TFT screen configurable by USB, voice announcer, Cyntra buttons and blue LED. Blackpad landing stations in gold or silver, 185 × 85 × 25 mm, surface-mounted.

RESIDENTIAL PACK

Machine-room-less (MRL)



- No machine room to build
- Two cabinets: control on the landing, power in the shaft
- VF 5.5 or 11 kW drive in stock

Specifications	Pack in stock	On request
Number of floors	Up to 10	Up to 20
Speed	Up to 1 m/s	Up to 1.6 m/s
Drive	VF 5.5 · 11 kW	Other ratings
Cabinets	2: control on the top landing, power in the shaft next to the motor	—
Motor control	Closed loop, sin/cos encoder	Asynchronous or synchronous (gearless), open or closed loop; incremental 5 / 12 Vdc, sin/cos or EnDat absolute encoders
Control	Simplex · single push-button · down-collective	Full collective
Number of entrances	1	1 or 2
Main power supply	Three-phase 400 V, 50 / 60 Hz	Three-phase 380 / 400 V, 50 / 60 Hz
Safety chain	110 Vac	110 Vac
Brake power supply	48 Vdc · 60 Vdc · 110 Vdc · 220 Vac	48 Vdc · 60 Vdc · 110 Vdc · 220 Vac
Doors	Automatic VVVF car door, automatic landing doors	Manual landing doors, contactor-driven operator
Emergency power	2000 VA UPS	—
Wiring	Calculated for 3.5 m between floors	Other floor heights

RESIDENTIAL PACK

With machine room



- One controller in the machine room
- VF 7.5, 11 or 15 kW drive in stock
- 2000 VA UPS included

Specifications	Pack in stock	On request
Number of floors	Up to 10	Up to 20
Speed	Up to 1 m/s	Up to 1.6 m/s
Drive	VF 7.5 · 11 · 15 kW	Other ratings
Cabinets	1, in the machine room	—
Motor control	Closed-loop asynchronous, 5 Vdc encoder	Asynchronous or synchronous (gearless), open or closed loop; incremental 5 / 12 Vdc, sin/cos or EnDat absolute encoders
Control	Simplex · single push-button · down-collective	Full collective
Number of entrances	1	1 or 2
Main power supply	Three-phase 400 V, 50 / 60 Hz	Three-phase 380 / 400 V, 50 / 60 Hz
Safety chain	110 Vac	110 Vac
Brake power supply	48 Vdc · 60 Vdc · 110 Vdc · 220 Vac	48 Vdc · 60 Vdc · 110 Vdc · 220 Vac
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Pilote, optional Sodimas remote monitoring



Available as an option, a box connected to the QI Touch controller continuously reports the lift status to a web and mobile platform.

- Real-time alerts: the technician is notified as soon as an anomaly is detected
- Statistics and predictive maintenance: doors, trips, unplanned stops
- Remote lift call from a smartphone
- Cloud hosted in Europe, ISO 27001 certified
- Plug and play installation, set up by scanning a QR code; multi-brand version for other controllers

Delivered in a crate, ready to ship



The pack is shipped in a wooden crate on a pallet of about 1.20 × 0.78 × 0.78 m, weighing about 180 kg according to the technical documentation. It travels easily by road, sea or air, with the rest of your order.

RESIDENTIAL PACK

In detail



Drive

Frequency drive: open or closed loop, asynchronous or synchronous motors, multiple encoders, built-in EMC filter and energy management.



Wiring

Car: travelling cable, inspection box, pre-wiring, 12 Vdc emergency supply, alarm siren. Machine room: power supply, shielded motor cable, governor and brake harnesses, braking resistor. Shaft: wiring labelled by colour and number, pit stop.

Options on request

- Firefighter function
- Automatic landing lighting
- Car and motor ventilation
- Remote tripping of the overspeed governor
- Advance door opening and re-levelling
- Multi-voltage electric brake and cam
- Re-use of existing buttons (24 Vdc, 1.2 W max)
- Light curtain, shaft lighting, load weighing
- Mechanical: car sling, gearless machine, brackets, doors
- Motor matched to an existing installation

How to order

1. **Your needs**
   Number of floors, floor-to-floor distance, with or without machine room, motor power, gold or silver finish.
2. **Our offer**
   We confirm availability and send you our offer.
3. **Shipping**
   The pack ships from Europe with all export documents.

Contact

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