SODILIFT

Sodilift, S.L. · Barcelona, España

QI Touch

Sodimas QI Touch, the brain of the lift

Sodimas range | Colour touch screen | Open protocol | EN 81-20 and EN 81-50



The controller of the Sodimas range. It controls the machine, the doors, the signalling and all safety devices, and comes as standard in the Residential Pack and in our lifts.

QI TOUCH

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.

Key strengths

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.

Everything is set on screen

The colour touch screen is always on. Three menus are enough: Installation, Adjustment and Operation. A wizard guides commissioning step by step, with no external console, and every fault is displayed in plain language.



QI TOUCH

Technical specifications

Processor	32-bit i.MX28 at 450 MHz · 128 MB RAM · 512 MB flash memory
System	Real-time multitasking operating system
Communication	2 open CAN buses (250 kb/s and 50 kb/s)
Screen	3.5-inch capacitive colour touch screen, always on
Connectivity	1 Ethernet · 2 USB 2.0 · 4 GB micro SD card · Wi-Fi via USB key · built-in web server
Consumption	4 W for the board, screen on
Control	Single button, down collective, full collective
Multiplex	Simple or advanced, 2 to 6 lifts, with destination control
Floors	40 floors and 40 doors on CAN bus · with parallel inputs: 20 floors down collective, 10 full collective
Speed	Up to 4 m/s
Positioning	Absolute, SIL 3 safe absolute or laser · direct approach · short floors from 30 mm
Drive	Open-loop, closed-loop or synchronous inverter · hydraulic unit with solenoid, motorised or regulated valve

Declaration of conformity (January 2025): Lifts Directive 2014/33/EU and electromagnetic compatibility; EN 81-50 § 5.15 for electronic components; protection against unintended car movement as a control circuit (EN 81-20 § 5.6.7), with a response time of 100 ms.

Functions

- Voice announcer, arrows, hall lantern and gong
- Firefighter, fire and priority modes
- Re-levelling and advance door opening
- Multiple doors, keypad code and access control
- Simple or advanced multiplex, 2 to 6 lifts
- CAN-bus, SAF or parallel signalling
- Open-loop, closed-loop or synchronous drive
- Hydraulic unit with solenoid, motorised or regulated valve
- Absolute, SIL 3 safe absolute or laser positioning
- Up to 40 floors on CAN bus, up to 4 m/s

Standards

Standards: EN 81-20, EN 81-50, EN 81-1/2, EN 81-21, EN 81-28, EN 81-70, EN 81-72, EN 81-73, EN 81-80 · EMC EN 12015 and EN 12016

CONNECTIVITY

Connected, from site to maintenance

On site

Ethernet, two USB ports and micro SD card: parameter backup, updates and history export.

Wireless

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

Remote

Optionally compatible with Sodimas remote monitoring, Pilote and Sodiacom: alerts, statistics and fleet supervision.

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



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