

STK1R-FASTRONIK

GENERAL CHARACTERISTICS

THE FASTEST SOLUTION FOR REFURBISHMENT

- Compliance with EN 81-XX standards
- Operates at 48Vdc or 110Vac
- Safety Control from 24Vdc to 230Vac
- Signals at 24Vdc and 12Vdc 2W
- Serial, parallel or mixed connection with the car and the floors
- Control of various electric and hydraulic traction types (such as open and closed loop inverter, electronic valves)
- Control of calls for dead man, APB, down collective selective, up/down collective selective
- Multiplex (Duplex, Triplex,...) control
- Control manual, semi-automatic, and automatic doors up to 3 operators with different drivers
- Manage lifts in the event of fire (EN81.73) and firefighters lifts (EN81.72)
- Display the status of inputs and outputs: all with LED as well as the STK2-PM programmer
- Control the parameters of the STK2-PM programmer that was used on boards from the Setronik1 and Setronik2 series.
- Download and upload parameter configurations and firmware updates with a USB pen
- Control of position and speed with monostable / bistable magnetic switches or encoder systems on the car roof or on the motor shaft
- Manage systems without machine room through a single control panel on the floor (MRL-P) or with two control panels, one in the door frame and one in the shaft (MRL-V)
- Control of short headroom / low pit (EN81.21)
- Prewired completely with connectors to floors and car
- The STK1R board (Setronik1 Restyling) can completely replace the old STK1b (Setronik1) without making any changes to the control panel

The **STK1R-Fastronik** series are control panels that are already mounted at the warehouse. We will customise them to fit your specifications and program them to meet the parameters of your system. For this reason they can be prepared for delivery in only 3 days.



CHARACTERISTICS

- **Board type:** Setronik 1 Restyling
- **Electric traction:** 4-pole motor with Fuji 5.5 kw open-ring
- **Hydraulic traction:** direct starting power units up to 9.6Kw
- **Operations:** Universal / Reserve descending call up to 12 stops
- **Signals:** 12 / 24 Vdc
- **Brake / Retiring cam:** 48, 60, 75, 90, 100Vdc
- **Operators:** Manual Doors / Single-Phase / Triple-Phase / Electronic
- **Auto-dialler:** with or without ST
- **A3 amendment:** excluded

Any requests which vary from the characteristics above will be assessed by our technicians in order to ensure delivery times.

If you are interested in this type of panel, please write "**STK1R-Fastronik**" in the notes section on the order form.

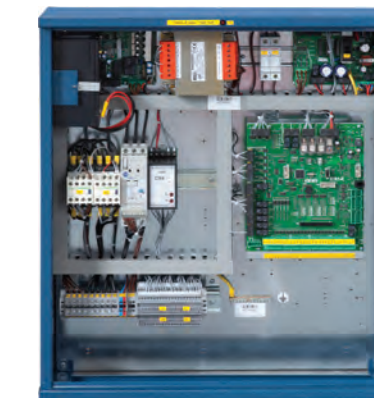
STK1R CONTROL PANELS

MACHINE ROOM VERSIONS (MR)



HYDRAULIC PLATFORM

- 24Vdc Control
- Single / Triple phase starting
- Manual, semi-automatic, automatic
- Emergency Descent with door opening
- Control of call for dead man, APB or mixed



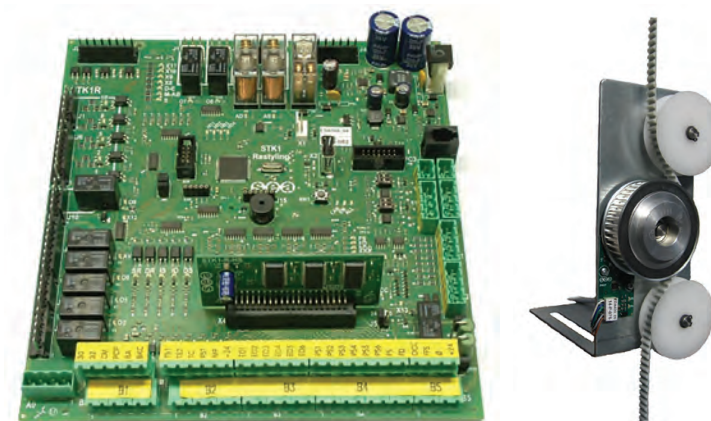
HYDRAULIC

- Direct start, star delta start, soft start.
- Traditional and electronic power units.
- UCM detection and control of 2 serially opened valves complying with A3.
- Emergency down run and door opening.



ELECTRIC

- 1 or 2 speed direct start
- Open or closed loop inverter control
- UCM detection and control of 2 redundant brakes complying with A3
- Emergency operations control



SEA SYSTEMS S.r.l.
Via San Carlo 13 - 20010 Bareggio - Milano - ITALY
Tel: +39 02 90 36 34 99 - Fax: +39 02 90 36 35 00
www.seasystems.it - sea@seasystems.it



CONTROL SYSTEMS FOR LIFTS AND MOVING PLATFORMS

www.seasystems.it

STK1R CONTROL PANELS

MACHINE ROOM LESS VERSIONS (MRL)



MRL-P

- The entire control panel is positioned on the landing
- Control cabinet in Plalam or stainless steel (440x2210x265mm)
- IPower line and light switches included
- Emergency operation controls



MRL-V

- The main controller is installed in the shaft on the last floor (1200x50x27mm)
- The controller for maintenance and emergencies is installed in the door frame (110x1800x60mm)
- Adaptable to any lift "MODEL"



TOOTHED BELT ENCODER ENC01



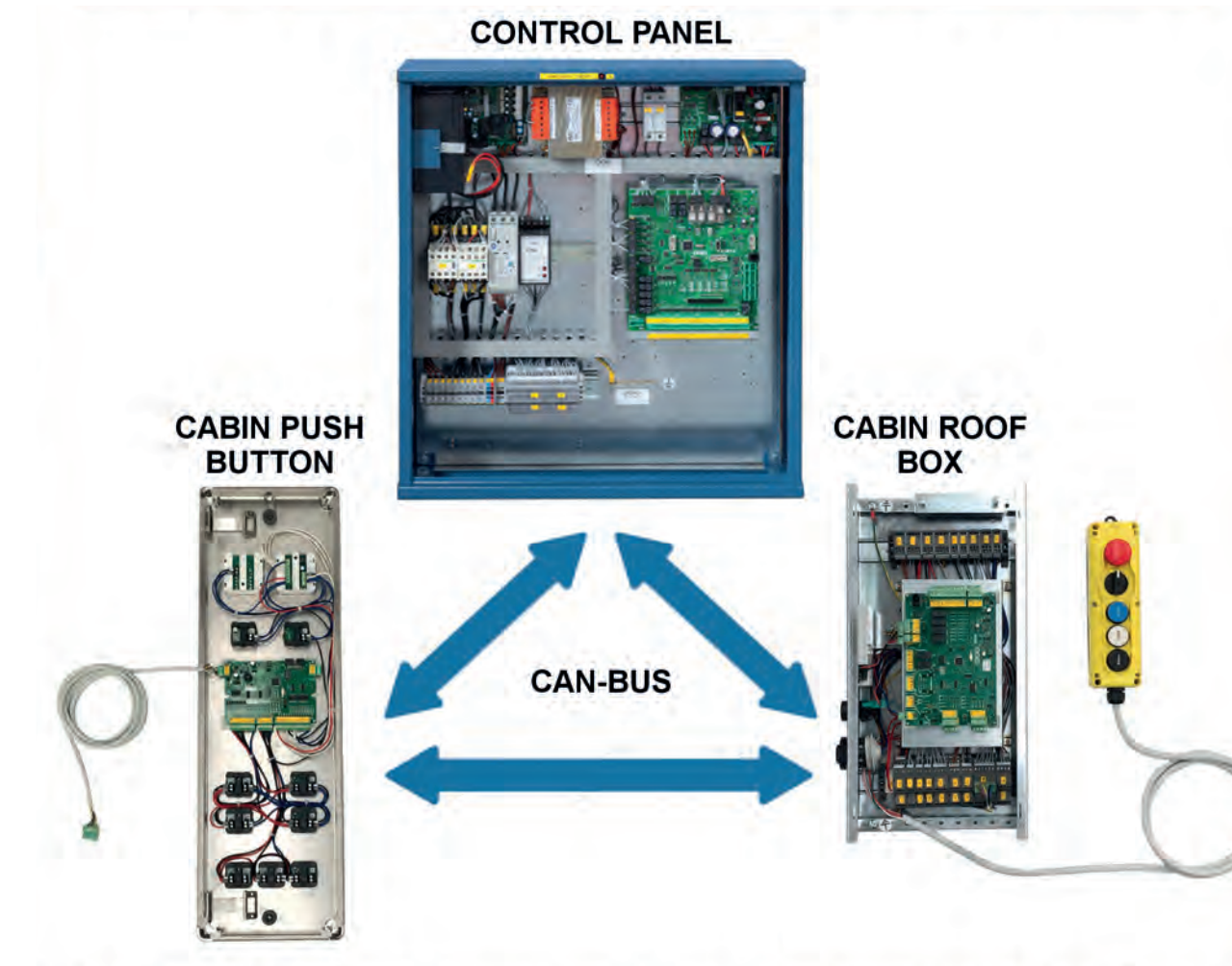
MAIN FEATURES

- The toothed belt prevents any slipping, typical of draw wire encoders.
- The triple belt pulley keeps the belt on the axle. The system is therefore noiseless up to a car maximum speed of 1,8 m/s.
- Automatic learning of the floor threshold quotes and of the speed changes.
- Resolution 1 mm.

THE SYSTEM ENABLES TO:

- Eliminate all the magnets monitoring position and speed changes, thus saving time and money during installation (i.e. systems with many stops and/or short floor distances).
- Improve stop and speed changes precision. Higher precision than systems with magnetically operated switches.
- Particularly suitable for restoration projects, where installing magnets monitoring position and speed changes is im-possible or extremely difficult.

CABIN SERIAL SYSTEM FOR STK1R



The cabin serial system allows you to interface the cabinet box and the cabin roof box with the STK1R line panels in a simple and fast way.

Example of some of the main features:

- Standard configuration with only one 24-pin flexible cable
- Fast coupling system
- Removable maintenance button
- BOX board with input/output monitoring led
- Programming keypad connection on cabin roof box card
- CAN-BUS operation status diagnostics

MONITORING AND REMOTE CONTROL



The remote monitoring and control system allows you to manage all the panels of the SETRONIK 1 RESTYLING line with PC, Tablet, Smartphone, etc. ... thanks to Internet access.

Example of some of the main features that can be viewed:

- General plant condition
- Security chain status
- Shaft Information status
- State of the room temperature
- Active alarms in real time
- Chronological history with date / time and alarm plan
- Reset some faults